

FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

B-DD-DMR11-1	DMR11 (DD)
B-TC-DMR11-2-1	FIELD MAINTENANCE PRINT SET
D-JA-DMR11-0-0	DMR11 UNIT ASSY.
K-PL-DMR11-0-0	DMR11 UNIT ASSY. (PL)
D-UA-M8207-0-0	MICROCONTROLLER DMP11
K-PL-M8207-0-DBP	MICROCONTROLLER DMP11 (PL)
D-CS-M8207-0-1	MICROCONTROLLER DMP11
D-UA-M8203-0-0	MULTI DROP LINE UNIT
K-PL-M8203-0-DBP	MULTI DROP LINE UNIT (PL)
D-CS-MS203-0-1	MULTI DROP LINE UNIT
D-UA-BC55A-0-0	BC55A PANEL ASSY.
K-PL-BC55A-0-DBP	BC55A PANEL ASSY. (PL)
D-UA-BC55B-0-0	BC55B PANEL ASSY.
K-PL-BC55B-0-DBP	BC55B PANEL ASSY. (PL)
D-CS-H8055-B-1	BC55 CONNECTOR MODULE
D-JA-BC55C-0-0	BC55C PANEL ASSY.
D-IA-BC08S-0-0	I/O CABLE ASSY. (DIAG JUMPER)
D-UA-BC05Z-0-0	CABLE, V35/DDS DSU
C-IA-H3250-0-0	CONNECTOR TEST V.35/DDS
D-UA-H3251-0-0	RS422 TEST CONNECTOR
K-PL-H3251-0-DBP	RS422 TEST CONN (PL)

**DMRII-Ø
Field Maintenance
Print Set**

Digital Equipment Corporation

PRINT SET ORDER NO.
MP00911

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. 1980
COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"

D-UA-H3254-Ø-Ø	M82Ø3 TEST CONN	J1
K-PL-H3254-Ø-DBP	M82Ø3 TEST CONN	J1 (PL)
D-UA-H3255-Ø-Ø	M82Ø3 TEST CONN	J2
K-PL-H3255-Ø-DBP	M82Ø3 TEST CONN	J2 (PL)
D-UA-BCØ5D-Ø-Ø	RS232 MALE TO RS232 FEMALE 25 COND. CABLE	
D-UA-BC55M-Ø-Ø	INTEGRAL MODEM CABLE	
D-UA-BC55N-Ø-Ø	INTEGRAL MODEM CABLE	
B-PL-DMR11-Ø	SHIPPING LIST DMR11	
K-PL-BC55C-Ø-DBP	BC55C PANEL ASSY.	
D-CS-H8Ø55-C-1	BC55 CONN. MODULE	
B-UA-H3257-Ø-Ø	TERMINATOR, INTEGRAL MODEM, MALE	
B-UA-H3258-Ø-Ø	TERMINATOR, INTEGRAL MODEM, FEMALE	

"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY
AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT
CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS
WHICH MAY APPEAR HEREIN."

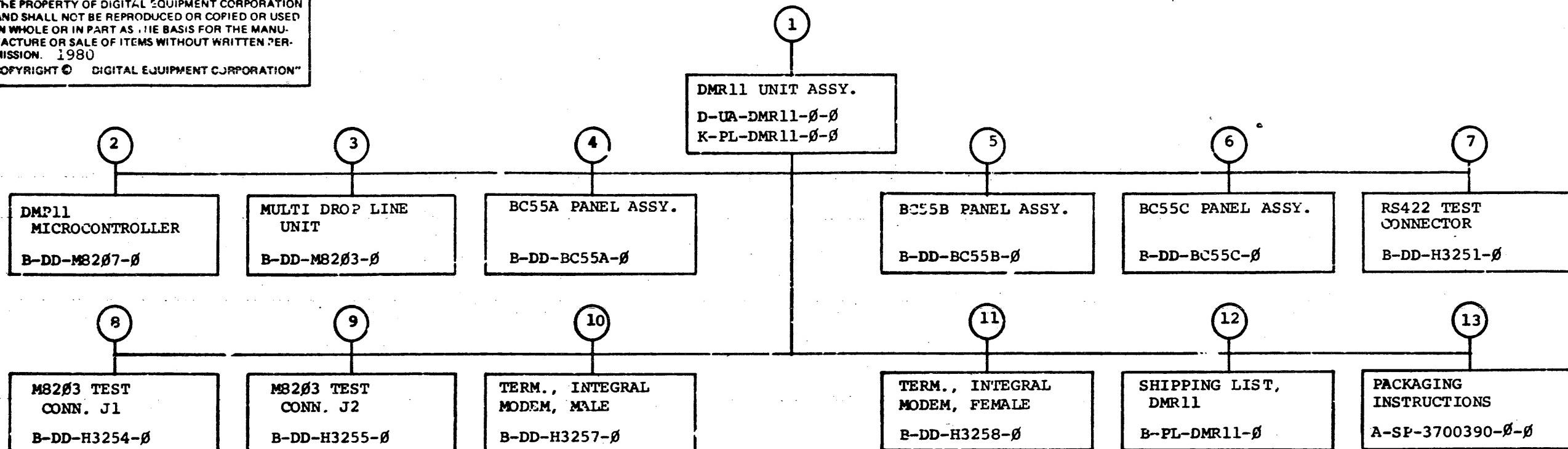
DRAWING DIRECTORY

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION
AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANU-
FACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1980
DIGITAL EQUIPMENT CORPORATION.

FOR FIELD MAINTENANCE PRINT SET
REFER TO B-TC-DMR11-6-1

REVISIONS		CHAN - E. NO.	REV.			USED ON OPTION/MODEL	DRN	DATE	TITLE	
						DMR11	<i>D. Gendie</i>	9 JAN 80		
						CHK'D.	<i>R. Harrington</i>	DATE 17 MAR 80		
						<i>(initials)</i>	<i>forwards</i>			
						PROJ. ENG.	<i>R. Harrington</i>	DATE 17 MAR 80		
						PROD.	<i>R. Harrington</i>	DATE 17 MAR 80		
						SHEET 1 OF 3	<i>R. Harrington</i>	DATE 17 MAR 80		
								DIST.		
								MKT		
										DRAWING DIRECTORY (DMR11)
										NUMBER DMR11-0
										REV. *

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. 1980
COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"



FIND NO.	DRAWING NO.	DESCRIPTION	TYPE	FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	MP00911	PRINT SET ORDER NO. (MP)	-				
	B-TC-DMR11-Ø-1	FIELD MAINTENANCE PRINT SET (TC)	-				
	E-UA-DMR11-Ø-Ø	DMR11 UNIT ASSY	E/M				
	K-PL-DMR11-Ø-Ø	DMR11 UNIT ASSY (PL)	-				
	D-IA-BCØ8S-Ø-Ø	I/O CABLE ASSY	E/M				
	C-IA-H325Ø-Ø-Ø	CONN., TEST V.35/DDS	E/M				
	D-UA-BCØ5Z-Ø-Ø	CABLE, V35/DDS DSU	E/M				
	D-UA-BCØ5D-Ø-Ø	ASYNC MODEM INTERF CABLE ECT	*				
	D-UA-BC55M-Ø-Ø	CABLE, INTEGRAL MODEM	*				
	D-UA-BC55N-Ø-Ø	CABLE, INTEGRAL MODEM	*				
2	B-DD-M82Ø7-Ø	DMP11 MICROCONTROLLER (DD)	-				
3	B-DD-M82Ø3-Ø	MULTIDROP LINE UNIT (DD)	-				
4	B-DD-BC55A-Ø	BC55A PANEL ASSY (DD)	-				
5	B-DD-BC55B-Ø	BC55B PANEL ASSY (DD)	-				
				6	B-DD-BC55C-Ø	BC55C PANEL ASSY (DD)	-
				7	B-DD-H3251-Ø	RS422 TEST CONNECTOR (DD)	-
				8	B-DD-H3254-Ø	M82Ø3 TEST CONN. J1 (DD)	-
				9	B-DD-H3255-Ø	M82Ø3 TEST CONN. J2 (DD)	-
				10	B-DD-H3257-Ø	TERM., INTEGRAL MODEM, MALE (DD)	-
				11	B-DD-H3258-Ø	TERM. INTEGRAL MODEM, FEMALE (DD)	-
				12	B-PL-DMR11-Ø	SHIPPING LIST, DMR11	-
				13	A-SP-370C390-0-0	PACKAGING INSTRUCTIONS	-
					9905816-00	CARTON, FOLDING	M
					9906088-07	CARTON, REGULAR SLOTTED	M
					99C6089-07	SHEET, DIE CUT	M
					9905012-05	ENVELOPE, BUBBLITE	M

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

Asterisk (*) denotes optional equipment



TITLE DRAWING DIRECTORY (DMR11)	SHEET 3 OF 3	SIZE B DD	CODE	NUMBER DMR11-Ø	REV *
------------------------------------	--------------	-----------	------	----------------	-------

WIRE TABLE

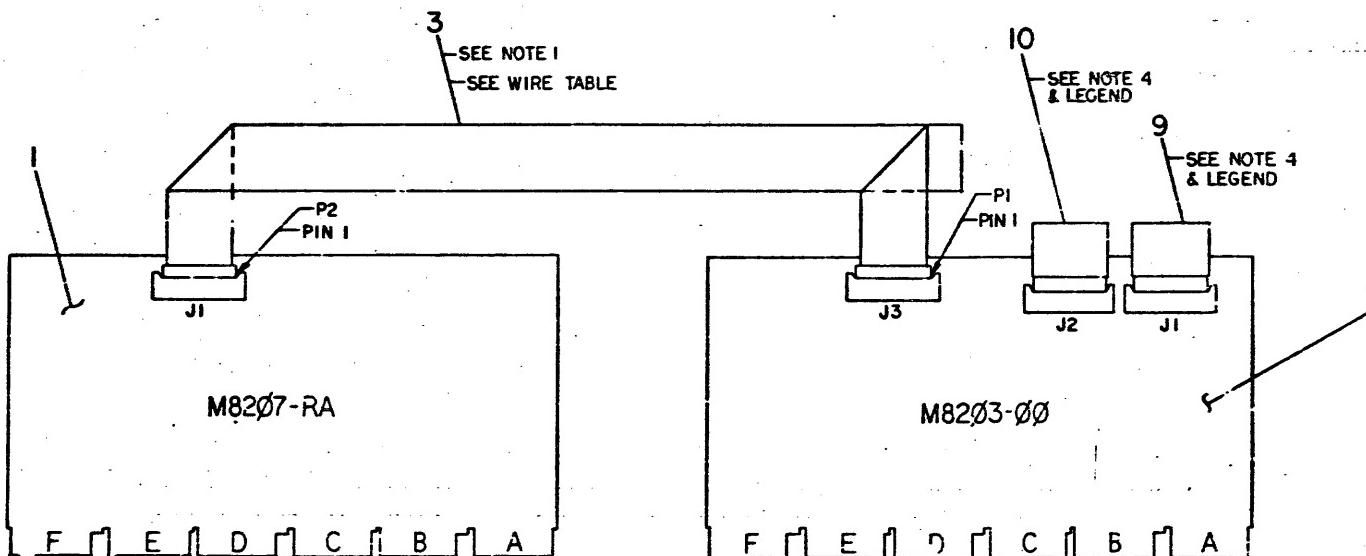
ITEM NO.	FROM		TO	
	CONN	WITH	CONN	WITH
3	J1 (ITEM 1)	P2	J3 (ITEM 2)	PI

LEGEND

VARIATION	M8203 CONN	CABLE	TEST CONN	OPTIONAL EXTENSION CABLE
DMRII-AA	J2	BC55C	H3251	BC05D / RS232 BC55D / RS423
DMRII-AB	J1	BC05Z	H3250	NONE
DMRII-AC	J1	BC55A	NONE	BC55M (HI SPEED) BC55N (56 K)
DMRII-AD	—	—	—	—
DMRII-AE	J2	BC55B	H3251	BC55D / RS422

NOTES:

- IF I/O CABLE ASSY, BC09S-01, (ITEM 3) IS NOT AVAILABLE, I/O CABLE ASSY, (D-U-A-BC09R-01) MAY BE USED IN ITS PLACE.
- POWER NOTE
MULTIPLE UNITS IN A BACKPLANE MAY EXCEED REGULATOR CAPACITY. SPLIT LOADING BETWEEN REGULATORS TO BALANCE REGULATOR CAPACITY. +5V CURRENT IS 8.5 AMPS / DMRII.
- INSTALLATION NOTE
THE NPIR GRANT JUMPER, (CA1 TO CB1) MUST BE REMOVED BEFORE M8207-RA, (ITEM 1) IS INSTALLED. THIS JUMPER MUST BE INSTALLED IF THE M8207-RA IS REMOVED FROM THE SYSTEM.
- ITEMS 9 & 10 FOR TEST PROCEDURE ONLY.



THIS CONFIGURATION
FOR DMRII-AD ONLY

CAUTION: OFF SHEET PARTS LIST EXIST,
REFER TO K-PL-DMRII-0-0.

DESCRIPTION		DWG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 10° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGES INCHES	
✓ SURFACE QUALITY IN MEDIUM	0.004	0.008	0.012
MICR. INCHES	REFERRED	0.012	0.016
	0.005	0.008	0.012
	0.003	0.004	0.006
THIRD ANGLE PROJECTION:			
DRN 2 Revision 0 Date 1/1/84 FIRST USED ON DMRII digital			
CHK'D 2 1/1/84 ENG 2 1/1/84 TITLE DMRII UNIT ASSY.			
PROJ. ENG. 2 1/1/84			
PROJ. H. L. 1/1/84			
DO NOT SCALE DVC			
NEXT HIGHER ASSY:			
MATERIAL SEE PARTS LIST			
SIZE CODE D JA NUMBER DMRII-0-0 REV A			
FINISH	SCALE NONE	SHEET 1 OF 8	CUST.

ELUTION	CHANGE NO.	REV.
C-7	DMRII-HK001	A
		B-C
	R-JARRINGTON	Z
		1/84

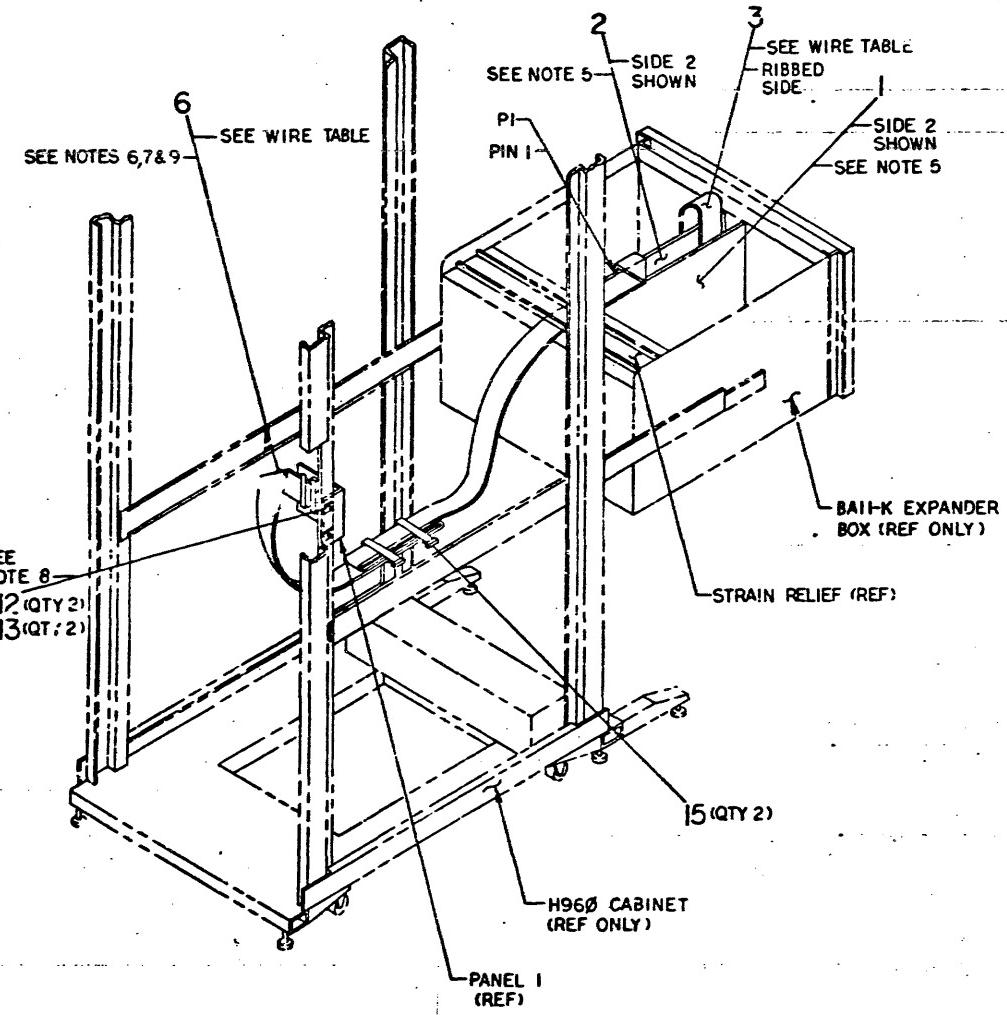
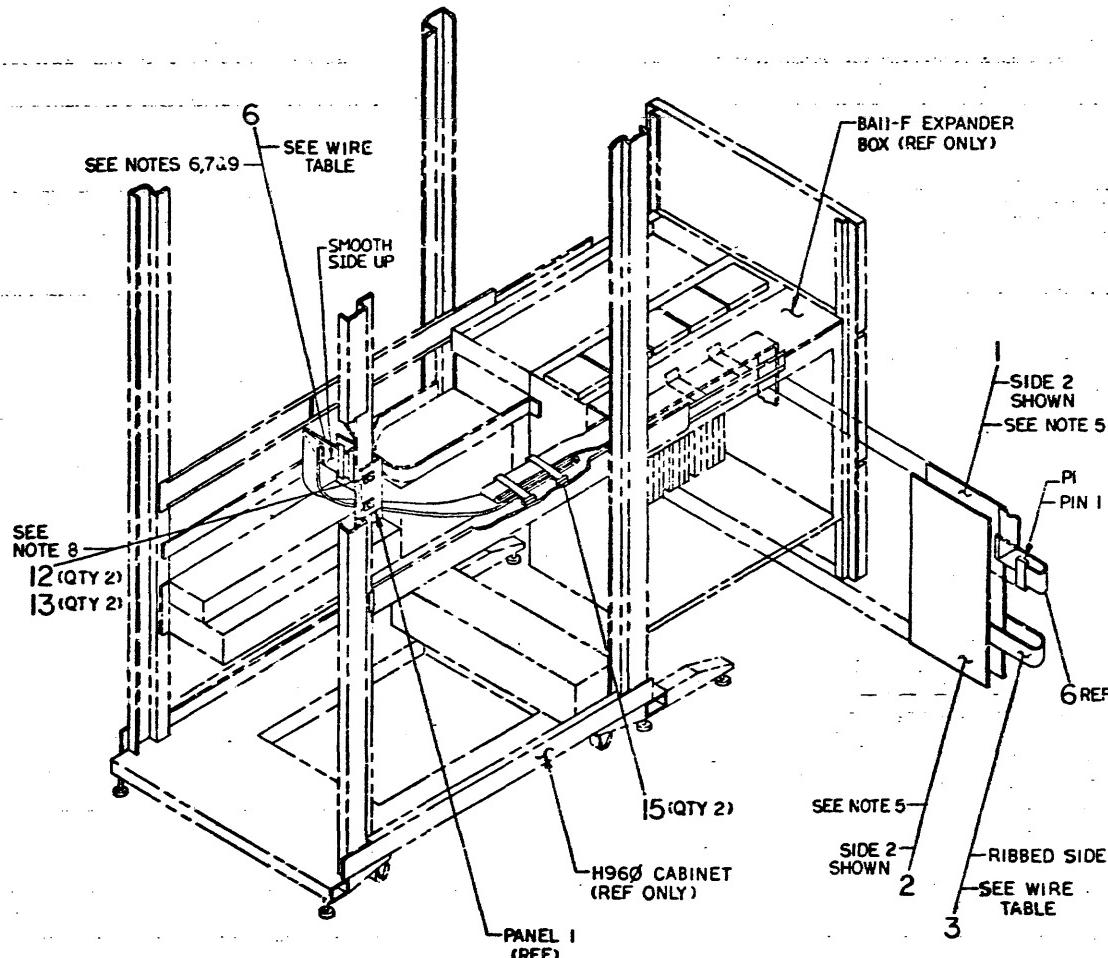
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND MAY NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OF SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM THE OWNER.
COPYRIGHT © 1985 DIGITAL EQUIPMENT CORPORATION

WIRE TABLE

ITEM NO.	FROM		TO		REMARKS
	CONN	WITH	CONN	WITH	
3	J1 (ITEM 1)	P2	J3 (ITEM 2)	P1	BOTH
6	—	—	J2 (ITEM 2)	P1	INSTALL.

NOTES (CONTINUED):

5. THE ORDER OF MODULES IN BACKPLANE IS NOT FIXED.
6. SECURE CABLE ASSY. (ITEM 6) WITH STRAIN RELIEF WHICH IS INTEGRAL TO EACH BAII BOX.
7. EXCESS CABLE TO BE LOOPED AND SECURED WITH 2 CABLE TIES. (ITEM 15) AS SHOWN WHEN INSTALLED IN H960 SERIES CAB. REFER TO SHEET 6 FOR CABLE ROUTING WHEN OPTION IS INSTALLED IN H960A SERIES CAB.
8. FOR MOUNTING HOLE LOCATIONS, REFER TO SHEET 6.
9. H3251 TEST CONNECTOR, (ITEM 8) TO BE CONNECTED TO J1 AT PANEL END OF BC55C CABLE ASSY, (ITEM 6) FOR TESTING PURPOSES ONLY.

TYP. INSTALLATION IN
A BAI-K EXPANDER BOXTHIS CONFIGURATION
FOR DMRII-AA ONLYTYP. INSTALLATION IN
A BAI-F EXPANDER BOX

REF. IONS	
CHG. NO.	REV.

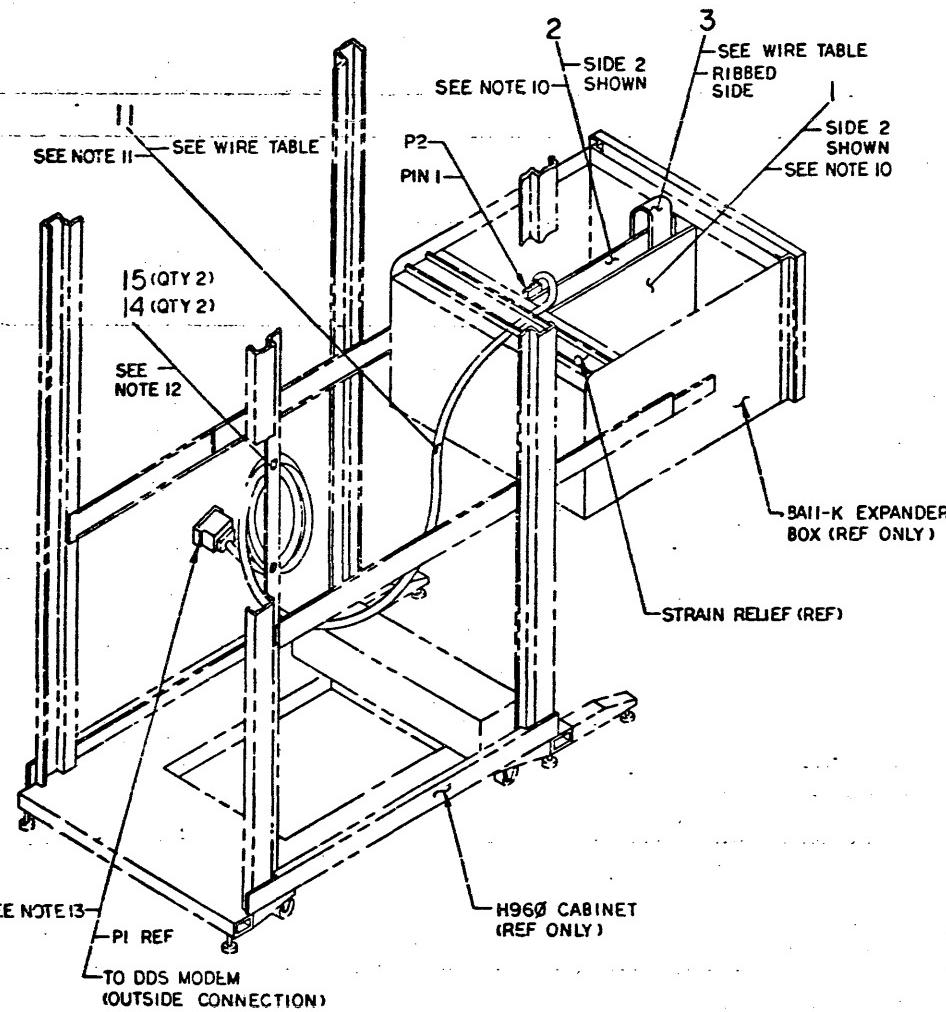
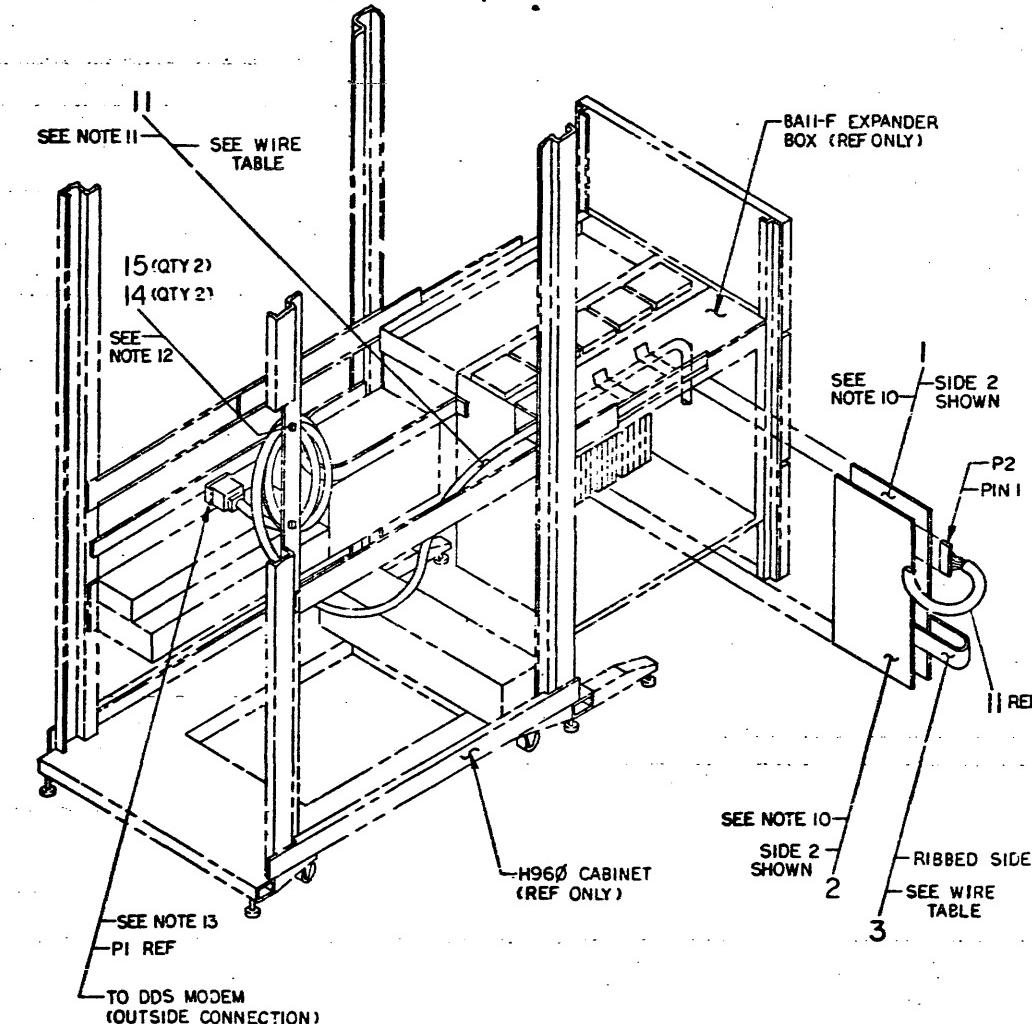
TITLE	SIZE/CODE	NUMBER	REV.
DMRII UNIT ASSY.	DUA	DMRII-0-0	A
SCALE	SHEET	2 OF 8	DIST.

WIRE TABLE

ITEM NO.	FROM		TO		REMARKS
	CONN	WITH	CONN	WITH	
3	J1 (ITEM 1)	P2	J3 (ITEM 2)	P1	BOTH
11	—	—	J1 (ITEM 2)	P2	INSTALL.

NOTES (CONTINUED):

10. THE ORDER OF MODULES IN BACKPLANE IS NOT FIXED.
11. SECURE CABLE ASSY (ITEM 1) WITH STRAIN RELIEF WHICH IS INTEGRAL TO EACH BAII BOX.
12. EXCESS CABLE TO BE LOODED AND SECURED WITH 2 TIE MOUNTS, (ITEM 14) AND 2 CABLE TIES, (ITEM 15) AS SHOWN. FOR SHIPPING PURPOSES ONLY. REFER TO SHEET 6 FOR CABLE ROUTING WHEN OPTION IS INSTALLED IN H9622 SERIES CABS.
13. H3250 TEST CONNECTOR, (ITEM 7) TO BE CONNECTED TO P1 OF BC052 CABLE ASSY, (ITEM 11) FOR TESTING PURPOSES ONLY.

TYP. INSTALLATION IN
A BAII-K EXPANDER BOXTHIS CONFIGURATION
FOR DMRII-AB ONLYTYP. INSTALLATION IN
A BAII-F EXPANDER BOX

REVISIONS	CHANGE NO.	REV.
CHC		

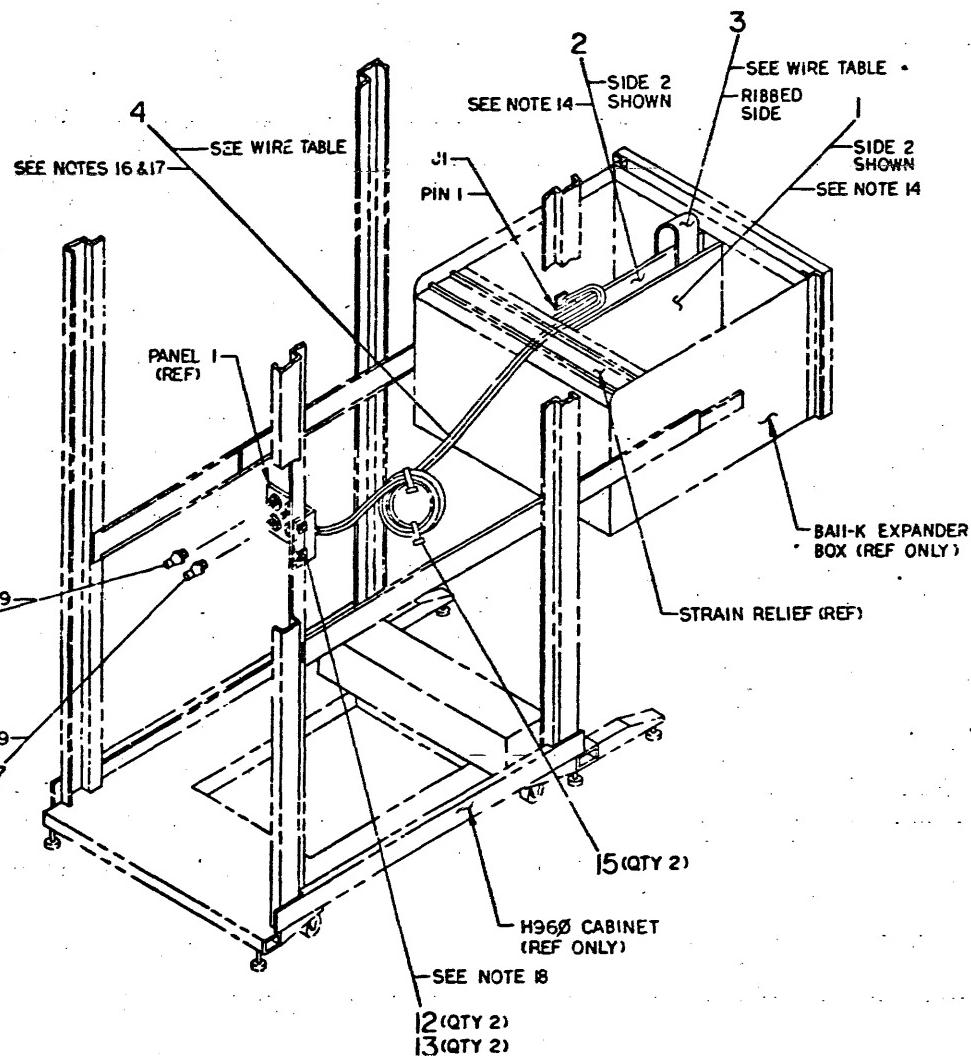
TITLE	DMRII UNIT ASSY.	SIZE CODE	NUMBER	REV.
SCALE	SHEET	3 OF 3	DUA	DMRII-0-0 A

THIS DRAWING AND ITS LOCATIONS, WHICH ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION, AND SHALL NOT BE PRODUCED OR COPIED OR USED IN WHOLE OR IN PART, AT THE BAII-F FOR THE MANUFACTURE OR SALE OF EQUIPMENT.

Copyright ©1980 DIGITAL EQUIPMENT CORPORATION

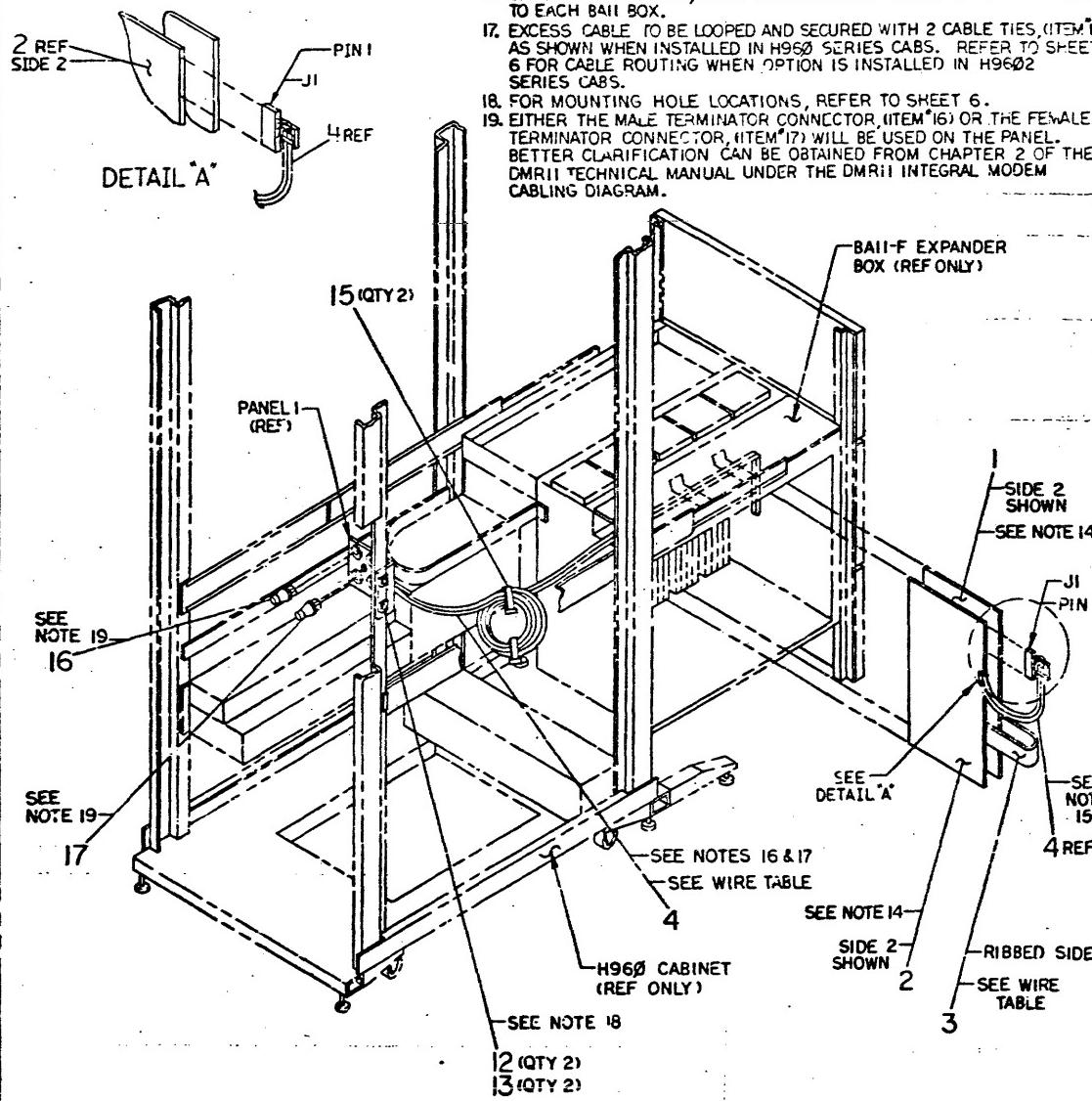
WIRE TABLE

ITEM NO.	FROM CONN	TO CONN	REMARKS
3	J1 (ITEM 7)	P2	J3 (ITEM 2)
4	—	—	J1 (ITEM 2)



TYP. INSTALLATION IN
A BAII-K EXPANDER BOX

THIS CONFIGURATION
FOR DMRII-AC ONLY



TYP. INSTALLATION IN
A BAII-F EXPANDER BOX

NOTES (CONTINUED):

14. THE ORDER OF MODULES IN BACKPLANE IS NOT FIXED.
15. CABLES (ITEM 4) TO BE ROUTED UNDER HANDLE OF MODULE (ITEM 2) THEN UP INTO CABLE TROUGH AT A CONVENIENT OPENING BETWEEN LOGIC BACKPLANES. THIS PROCEDURE APPLIES TO BAII-F BOX ONLY.
16. SECURE CABLE ASSY, (ITEM 4) WITH STRAIN RELIEF WHICH IS INTEGRAL TO EACH BAII BOX.
17. EXCESS CABLE TO BE LOOPED AND SECURED WITH 2 CABLE TIES, (ITEM 15) AS SHOWN WHEN INSTALLED IN H950 SERIES CABS. REFER TO SHEET 6 FOR CABLE ROUTING WHEN OPTION IS INSTALLED IN H9602 SERIES CABS.
18. FOR MOUNTING HOLE LOCATIONS, REFER TO SHEET 6.
19. EITHER THE MALE TERMINATOR CONNECTOR, (ITEM 16) OR THE FEMALE TERMINATOR CONNECTOR, (ITEM 17) WILL BE USED ON THE PANEL. BETTER CLARIFICATION CAN BE OBTAINED FROM CHAPTER 2 OF THE DMRII TECHNICAL MANUAL UNDER THE DMRII INTEGRAL MODEM CABLING DIAGRAM.

REVSIONS		
CHG.	CHANGE NO.	REV.

SCALE	SHEET	NUMBER	REV.
	4 of 8	DMRII-0-0	A

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED, COPIED OR USED IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION OF THE OWNER OF ITEMS WITHOUT WRITTEN PERMISSION OF THE OWNER OF THIS DRAWING.

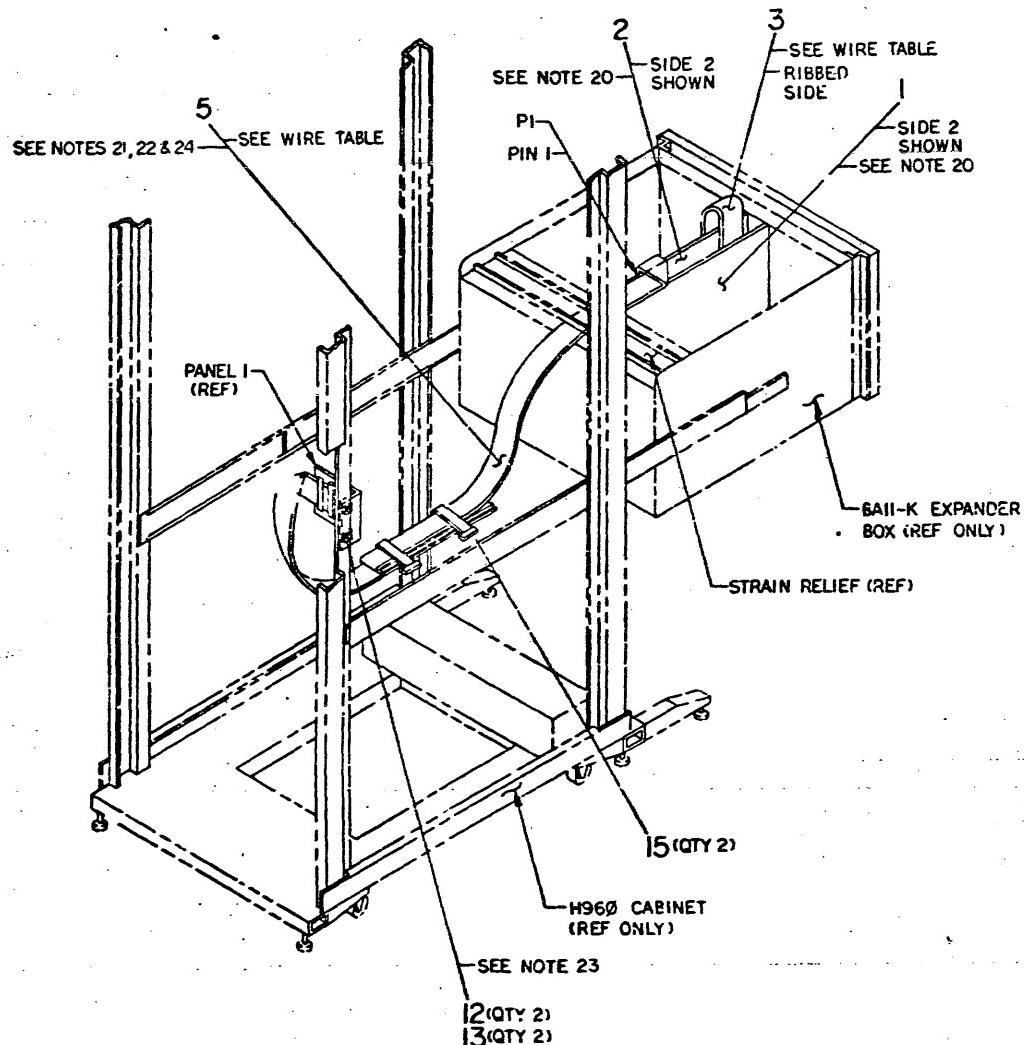
Copyright © 1980 DIGITAL EQUIPMENT CORPORATION

WIRE TABLE

ITEM NO.	FROM		TO		REMARKS
	CONN	WITH	CONN	WITH	
3	J1(ITEM ¹)	P2	J3(ITEM ²)	P1	BOTH
5	—	—	J2(ITEM ²)	P1	INSTALL.

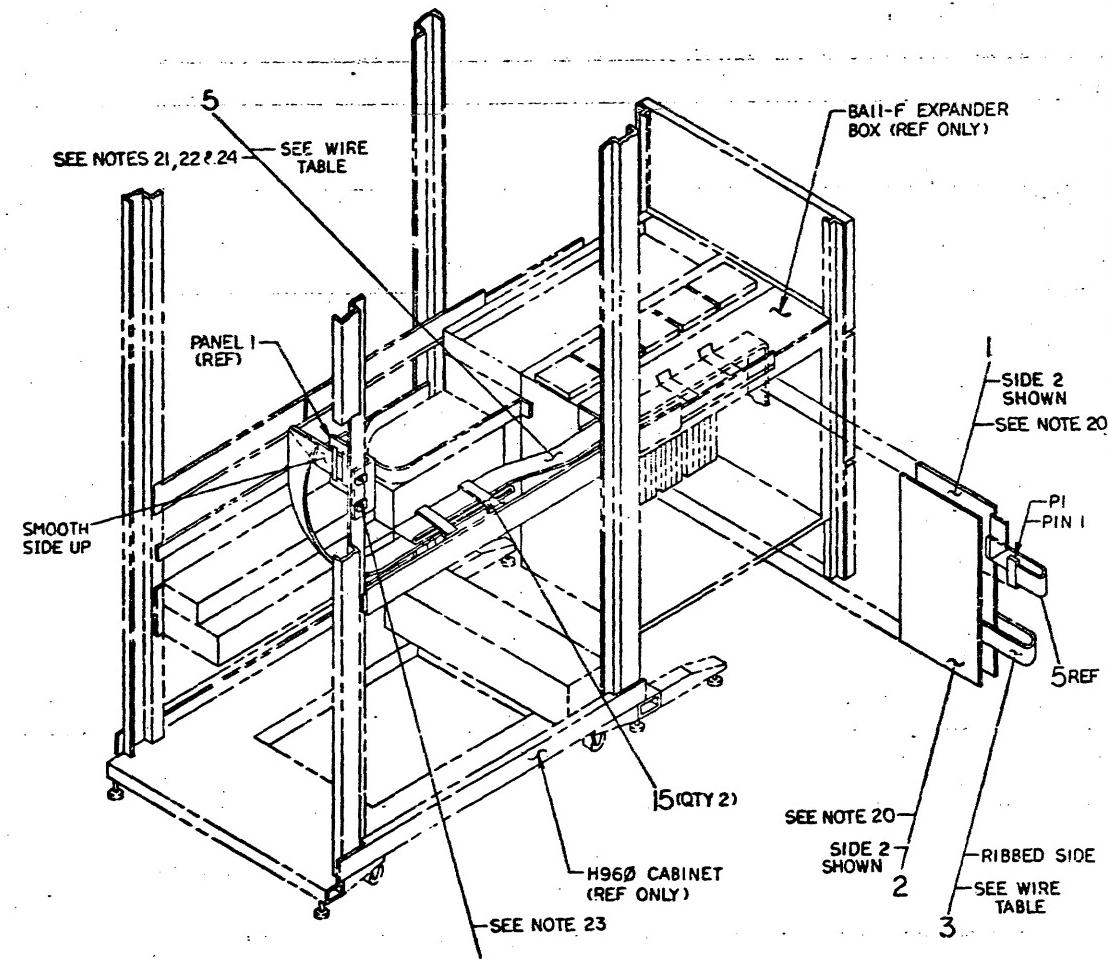
NOTES (CONTINUED):

- 20. THE ORDER OF MODULES IN BACKPLANE IS NOT FIXED.
- 21. SECURE CABLE ASSY. (ITEM⁵) WITH STRAIN RELIEF WHICH IS INTEGRAL TO EACH BAI^I BOX.
- 22. EXCESS CABLE TO BE LOOPED AND SECURED WITH 2 CABLE TIES (ITEM¹⁵) AS SHOWN WHEN INSTALLED IN 4960 SERIES CAB. REFER TO SHEET 6 FOR CABLE ROUTING WHEN OPTION IS INSTALLED IN H9602 SERIES CAB.
- 23. FOR MOUNTING HOLE LOCATIONS, REFER TO SHEET 6.
- 24. H3251 TEST CONNECTOR, (ITEM 8) TO BE CONNECTED TO J2 AT PANEL END OF BC558 CABLE ASSY, (ITEM⁵) FOR TESTING PURPOSES ONLY.



TYP. INSTALLATION IN
A BAI-K EXPANDER BOX

THIS CONFIGURATION
FOR DMRII-AE ONLY



TYP. INSTALLATION IN
A BAI-F EXPANDER BOX

REVISIONS		
CHG.	CHANGE NO.	REV.

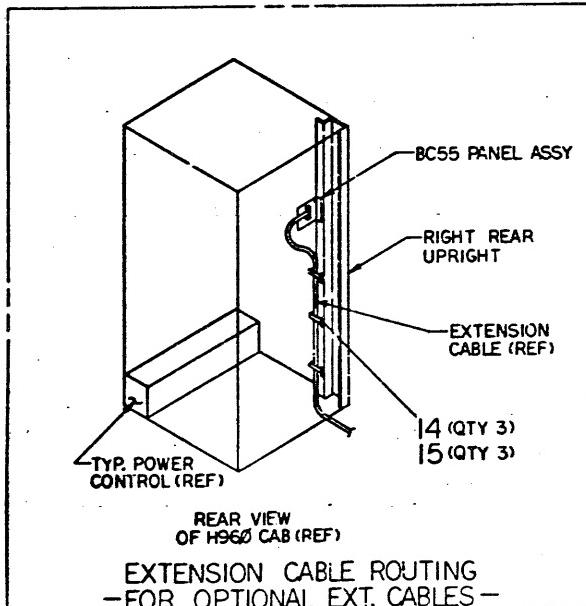
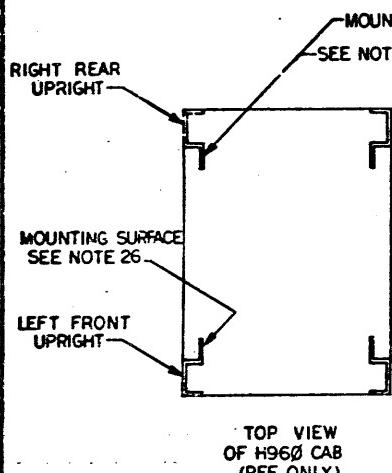
SCALE	SHEET	NUMBER	REV.
	5 of 8	DMRII-Ø-Ø	A

MTG. HOLE LOCATIONS FOR
MULTIPLE BC55 SERIES CABLES IN H960 CAB.
CHART APPLIES WHEN ONE (1) BAI BOX EXISTS, ONLY.

HOLE CHART - BC55A CABLE ASSY.			
DESCRIPTION	MTG. HOLES	MTG. LOCATION	REMARKS
PANEL *1	93, 97	RIGHT REAR UPRIGHT	REAR MTG., FACING OUT
*2	84, 86		
*3	72, 76		
*4	63, 67		
*5	93, 97	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR
*6	84, 82		
*7	72, 76		
PANEL *8	63, 67	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR

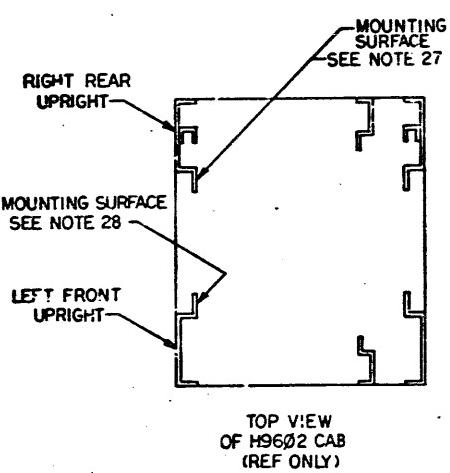
HOLE CHART - BC55B & BC55C CABLE ASSY'S.

DESCRIPTION	MTG. HOLES	MTG. LOCATION	REMARKS
PANEL *1	94, 99	RIGHT REAR UPRIGHT	REAR MTG., FACING OUT
*2	92, 87		
*3	73, 78		
*4	61, 66	RIGHT REAR UPRIGHT	REAR MTG., FACING OUT
*5	94, 99	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR
*6	82, 87		
*7	73, 78		
PANEL *8	61, 66	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR



NOTES (CONTINUED):

25. WHEN MULTIPLE OPTIONS ARE USED, PANELS *1 THRU *4 OF BC55 SERIES CABLES ARE INSTALLED ON RIGHT REAR UPRIGHT AS SHOWN. REFER TO HOLE CHART ABOVE FOR MTG. HOLE LOCATIONS.
26. PANELS *5 THRU *8 OF BC55 SERIES CABLES ARE INSTALLED ON LEFT FRONT UPRIGHT AS SHOWN. REFER TO HOLE CHART ABOVE FOR MTG. HOLE LOCATIONS.



NOTES (CONTINUED):

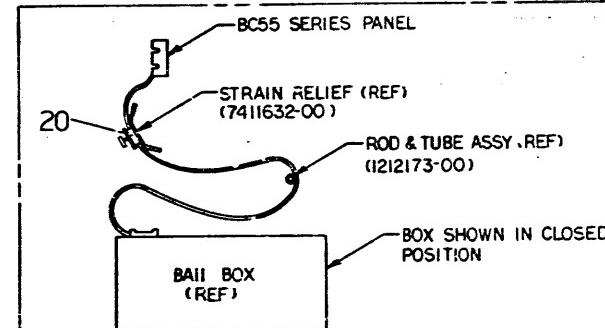
27. WHEN MULTIPLE OPTIONS ARE USED, PANELS *1 THRU *4 OF BC55 SERIES CABLES ARE INSTALLED ON RIGHT REAR UPRIGHT AS SHOWN. REFER TO HOLE CHART ABOVE FOR MTG. HOLE LOCATIONS.
28. PANELS *5 THRU *8 OF BC55 SERIES CABLES ARE INSTALLED ON LEFT FRONT UPRIGHT AS SHOWN. REFER TO HOLE CHART ABOVE FOR MTG. HOLE LOCATIONS.

MTG. HOLE LOCATIONS FOR
FOR MULTIPLE BC55 SERIES CABLES IN H9602 CAB.
CHART APPLIES WHEN ONE (1) BAI BOX EXISTS, ONLY.

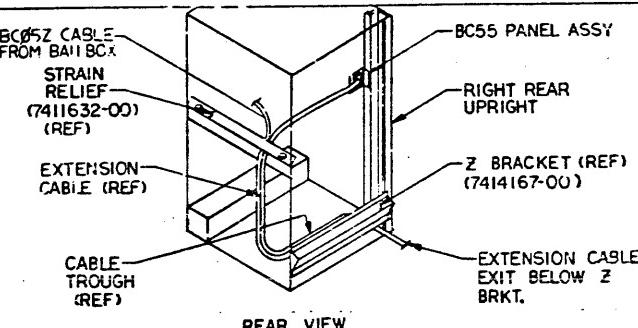
HOLE CHART - BC55A CABLE ASSY.			
DESCRIPTION	MTG. HOLES	MTG. LOCATION	REMARKS
PANEL *1	81, 85	RIGHT REAR UPRIGHT	REAR MTG., FACING OUT
*2	69, 73		
*3	60, 64		
*4	46, 52	RIGHT REAR UPRIGHT	REAR MTG., FACING OUT
*5	81, 85	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR
*6	69, 73		
*7	60, 64		
PANEL *8	42, 46	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR

HOLE CHART - BC55B & BC55C CABLE ASSY'S.

DESCRIPTION	MTG. HOLES	MTG. LOCATION	REMARKS
PANEL *1	79, 84	RIGHT REAR UPRIGHT	REAR MTG., FACING OUT
*2	70, 75		
*3	58, 63		
*4	49, 54	RIGHT REAR UPRIGHT	REAR MTG., FACING OUT
*5	79, 84	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR
*6	70, 75		
*7	58, 63		
PANEL *8	40, 45	LEFT FRONT UPRIGHT	FRONT MTG., FACING REAR



SIMPLIFIED SIDE VIEW WITHOUT CAB.
CABLE ROUTING OF BC55 SERIES PANEL
ASSY. IN H9602 CABS (TYP. ALL INSTALL.)



EXTENSION CABLE ROUTING
- FOR OPTIONAL EXT. CABLES -

REV.	NUMBER	SIZE CODE	DIAG.	1
CHANGE NO.	DMR II UNIT ASSY.	DUA	DMR II-Ø-Ø	A
DATE	SCALE	6 OF 6	DIST.	

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DMC EQUIPMENT CORPORATION AND ARE RESTRICTED TO THE USE FOR WHICH THEY WERE PROVIDED. THEY ARE NOT TO BE COPIED OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1981, DMC EQUIPMENT CORPORATION

M8265 SWITCHES

E127	1	2	3	4	5	6	7	8	9	10
	OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON
	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12

CSR ADDRESS
(760170)

E28	1	2	3	4	5	6	7	8
	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
	V3	V4	V5	V6	V7	V8	RUN	DISABLE CSR

VECTOR ADDRESS (300)

E85	1	2	3	4
	ON	OFF	OFF	OFF

M8203 SWITCHES

E134	1	2	3	4	5	6	7	8	9	10
(SEE NOTE 29)	X	X	X	X	X	X	X	X	X	X

BOOT PASSWORD

(MSB)

NOT USED

MICRO-DIAG.

*(SEE CHART)

E121	1	2	3	4	5	6	7	8	9	10
(SEE NOTE 29)	X	X	X	X	X	X	X	X	X	X

BOOT-OFFSET

(MSB)

DMC LINE HIGH SPEED SELECT

***(SEE CHART)

E39	1	2	3	4	5	6	7	8	9	10
	OFF	OFF	OFF	OFF	X	OFF	X	X	X	X

DATA RATE FOR NULL CLK
AND INTEGRAL MODEM

2.4 K BPS	OFF	OFF	OFF
4.8 K BPS	ON	OFF	OFF
9.6 K BPS	OFF	ON	OFF
19.2 K BPS	ON	ON	OFF
38.4 K BPS	OFF	OFF	ON
76.8 K BPS	ON	OFF	ON
153.6 K BPS	OFF	ON	ON
307.2 K BPS	ON	ON	ON

NOTES (CONTINUED):

29. WHEN SWITCHES E121 AND E134 ARE SELECTED IN OFF POSITION THEY CORRESPOND TO A LOGICAL "1".

SWITCH OFF = "1" SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

2=ON

FOR BOOT OFFSET OF 356=SET E121 FOR SWITCH 1&5=ON

234=OFF

678=OFF

E.G. FOR BOOT PASSWORD OF 1=SET E134 FOR SWITCH 1=OFF

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE COPIED OR USED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF THE COMPANY. THIS DRAWING IS THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE COPIED OR USED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION.

Copyright © 1980 DIGITAL EQUIPMENT CORPORATION

CONTROL AND STATUS REGISTERS

BITS	7	6	5	4	3	2	1	0
INPUT COMMAND CODE								
RDI	IEI	RQI						
RUN	MCLP	MICRO-DIAG.	STEP LU	LU LOOP	ROM O	ROM I	STEP UP	
ROY O	IEO							OUTPUT COMMAND CODE
MICRO-DIAGNOSTIC RESULTS								
INPUT/OUTPUT COMMANDS								
DATA PORT								

INPUT COMMAND CODE	FUNCTION
BSEL 0 BIT	
3 2 1 0	TRANSMIT BA/CC 1:1
0 0 0 0	CONTROL IN
0 0 0 1	HALT REQUEST
0 0 1 0	BASE IN
0 1 0 0	RECEIVE BA/CC IN

OUTPUT COMMAND CODE	FUNCTION
BSEL 2 BIT	
2 1 0	TRANSMIT BA/CC OUT
0 0 0	CONTROL OUT
0 0 1	CONTROL OUT
1 0 0	RECEIVE BA/CC OUT

MICRO-DIAGNOSTIC RESULTS

BIT	7	6	5	4	3	2	1	0
TEST SUCCESS	TEST INHIBITED		LU FAILS	UP FAILS				BSEL 3

BASE IN FOR IAT

BIT	7	6	5	4	3	2	1	0
BSEL 0								
1								

BSEL 4
BSEL 5
BSEL 6
BSEL 7

CONTROL IN FORMAT

BIT	7	6	5	4	3	2	1	0

BSEL 4
BSEL 5
BSEL 6
BSEL 7

TRANSMIT/RECEIVE BA/CC IN AND OUT FORMAT

BIT	7	6	5	4	3	2	1	0

BSEL 4
BSEL 5
BSEL 6
BSEL 7

CONTROL OUT FORMAT

BIT	7	6	5	4	3	2	1	0
START RECD	DISC	MSG TOO LONG	FLUMP MAINT RECD	NO BUF	TIME OUT	HALT COMP	NXM	

BSEL 4
BSEL 5
BSEL 6
BSEL 7

REV. A		
OK	CHANGE NO.	REV.
1		

TITLE	SIZE/CODE	NUMBER	REV.
DMR I UNIT ASSY.	DUA	DMRII-Ø-Ø	A
SCALE	1 SHEET	8 OF 9	DIST.

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION				
					AA	AB	AC	AD	AE
1	1	D-UA-M8207-0-0	M8207-RA	MICROPROCESSOR BASED SYNCHRONOUS	1	1	1	1	1
2	2	D-UA-M8203-0-0	M8203-00	DMP11 LINE UNIT,RS-449,INTEGRAL	1	1	1	1	1
3	3	D-IA-BC08S-0-0	BC08S-01	I/O CABLE ASSY IFT	1	1	1	1	1
4	4	D-UA-BC55A-0-0	BC55A-10	CABLE INTEGRAL MODEM	-	-	1	-	-
5	5	D-UA-BC55B-0-0	BC55B-10	EIA RS422 CABLE	-	-	-	1	-
6	6	D-UA-BC55C-0-0	BC55C-10	EIA RS232/RS423 CABLE	1	-	-	-	-
7	7	C-IA-H3250-0-0	H3250-00	DDS TEST CONN	-	1	-	-	-
8	8	D-UA-H3251-0-0	H3251-00	TEST CONNECTOR RS422	1	-	-	-	1
9	9	D-UA-H3254-0-0	H3254-00	M8203 TEST CONNECTOR J1	1	1	1	1	1
10	10	D-UA-H3255-0-0	H3255-00	M8203 TEST CONNECTOR J2	1	-	1	1	1
11	11	D-UA-BC05Z-0-0	BC05Z-25	CABLE, HBSA TG V35 - 25 FT	-	1	-	-	-
12	12		9007786-00	RETAINER, U-NUT, 10-32	2	-	2	-	2
13	13		9009700-00	SCREW, SEMS, PHILLIPS TRUSS HD 1	2	-	2	-	2
14	14		9007867-00	MOUNT, PUSH,CABLE TIE	3	5	3	-	3
15	15		9009617-00	TIE,CABLE BUNDL.IIA 0-3°TYPE=101	5	5	5	-	5
16	16	B-UA-H3257-0-0	H3257-00	MALE TERMINATOR FOR INTEGRAL MOD	-	-	1	-	-
17	17	B-UA-H3258-0-0	H3258-00	FEMALE TERMINATOR FOR INTEGRAL M	-	-	1	-	-
18	18	A-SP-3700390-0-0	3700390-07	PKG GENERAL PURPOSE SKIN PACKED	1	1	1	1	1
19	19	B-PL-DMR11-0		SHIPPING LIST, DMR11	1	1	1	1	1
20	20		9008214-00	FOAM, TAPE,ADHESIVE BACK-POLYURE	A/R	0	A/R	0	A/R
21	21	D-CS-H325-0-1	0H325-00	CONN. MODEM TEST	1	0	0	0	0

22 NOTES: 1. OPTIONAL EQUIPMENT: D-UA-BC05D-25-0, D-UA-BC55M-98-0, D-UA-BC55N-98-0.

REVISION HISTORY			BASIC PART NO:	DRN:	D. ZWICKER	DATE:	DBP	D	I	G	I	T	A	L
RENC	ECO NUMBER	REV	SECTION A OF A	SECTION. VARIATION INDEX	CHK'D:	B. HOVEY	DATE:	TITLE	PARTS LIST					
IRN	DMR11-MK001	IA	[CAJ 4A;AB,AC,AD,AE					DMR11 UNIT ASSY						
			[CBJ		DES.ENG.:	H. YANG	DATE:	08-FEB-80						
			[CCJ		RESP.ENG.:	R. HARRINGTON	DATE:	08-FEB-80						
			[CDJ		INF.ENG.:	S. ARMBRUSTER	DATE:	08-FEB-80	K	PL	DMR11-0-0		REV	
			[CEJ		ASSEMBLY NUMBER:	D-UA-DMR11-0-0	TOP DOCUMENT NUMBER:	#B-CD-DMR11-0						
			[CFJ				FILE NAME:	M0021.PLS	EDIT					6

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION *

MK

8 6 5 4 3 2 1

INSERT AFTER
GR TEST
9009185

NOTE 2

0-3

COMPONENT SIDE VIEW

NOTES:1. REF C65 NOT USED. E19,C68,C75,C

2. DO NOT USE EYELETS (2 PLACES)

E13 (16 PIN IC) UNDER E14, USED ON YQ

VARIATION
RESTRICTED OR IS MANUALLY INSERTED

4. RESISTOR R7 IS MANUALLY INSERTED.
AND EOE

AND FEES.

~~UNISEDGOLD CONNECTOR FINGERS MAY BE~~

~~DO NOT USE GOLD COIN~~ OR FINGERS MAY BE
DELETED.

8 7

see

ETCH REV. D
P.C. DESIGN DATA BASE REV. D

ETCH REV. D
P.C. DESIGN DATA BASE REV. D

SIGNATURES	DATE	digital
DRN.		
CHK'D.		
ENG.		
PROJ. ENG.		TITLE DIPU
PROD.		MICROCONTROLLER
SCALE 1/1	SIZE CODE	NUMBER
CHT. 1 OF 7	D L	M8207-0-0
NEXT HIGHER ASSY. B-20-W-27-2		

8

7

6

5

4

3

2

1

L2

60128450 M8207
MICROPROCESSOR LINK

MATERIAL



8

7

6

5

4

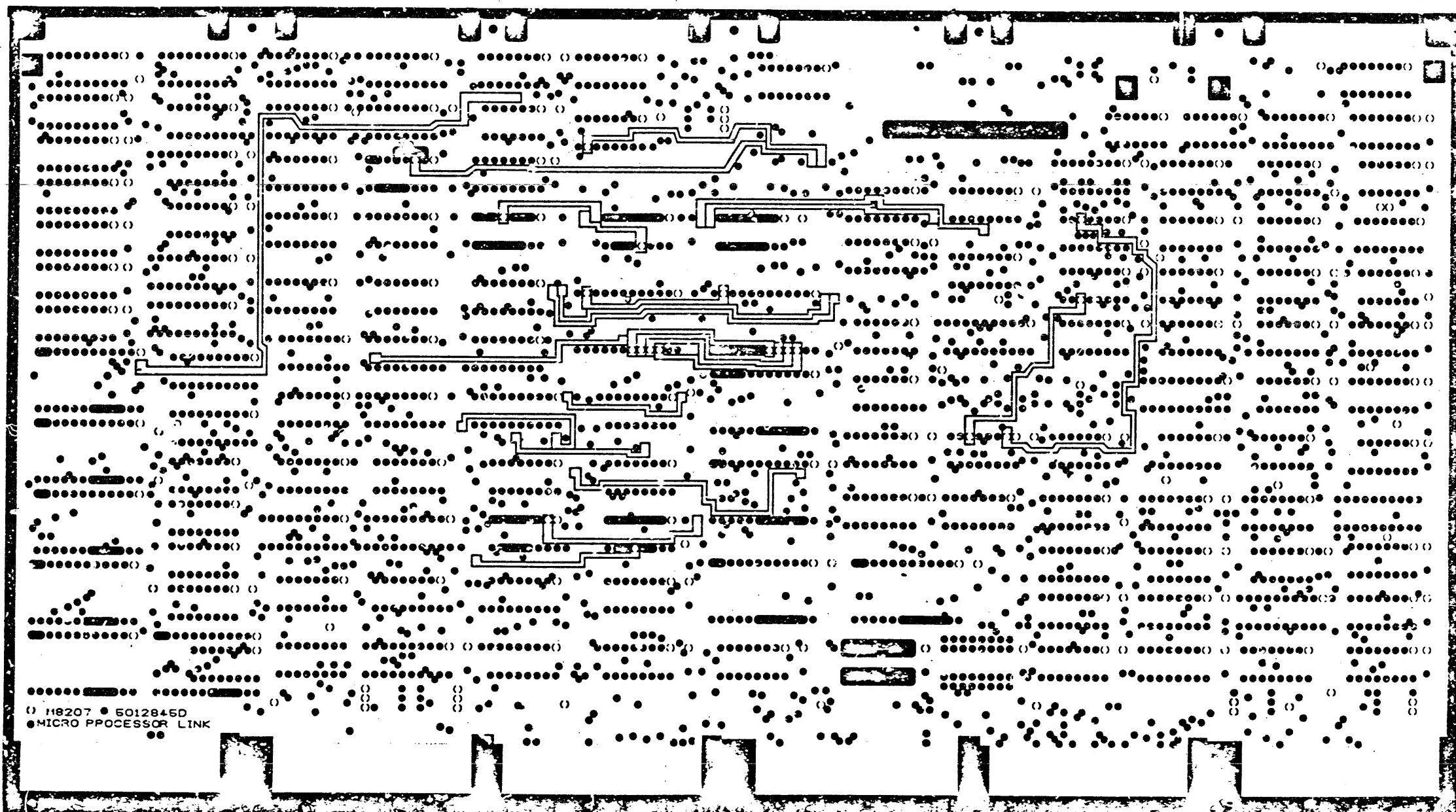
3

2

1

□ C1

LAHBR E



• M8207 • 5012845D
• MICRO PROCESSOR LINK

TITLE: DMP11 MICROCONTROLLER
SCALE: 1 INCH = 4 FEET

D UAI M8207-0-0

8

7

6

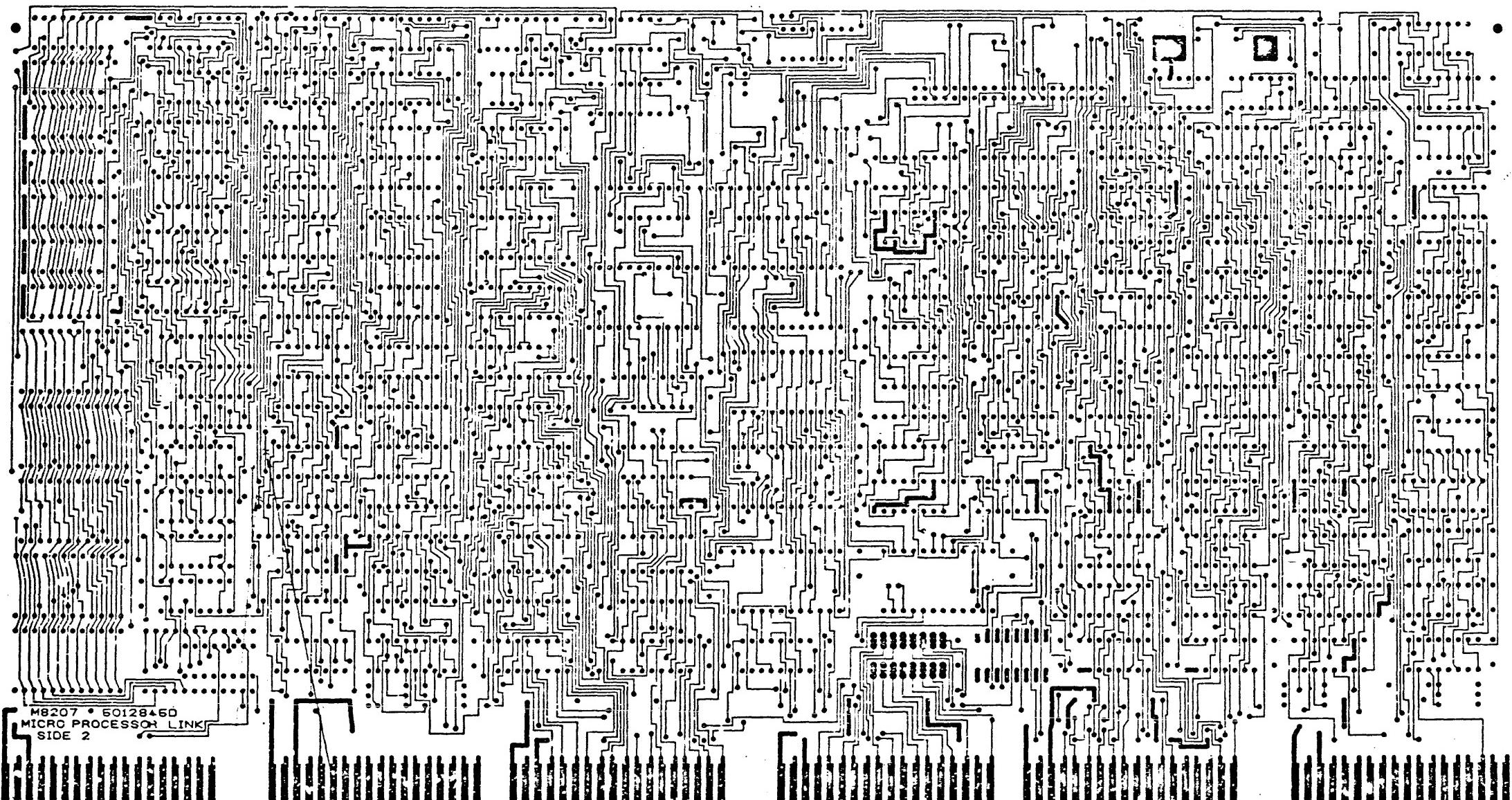
5

4

3

B-8-2822-17 G 2

1



NOTE B-2

33-4

TITLE: DMP II MICROCONTROLLER
 SCALE: 2/1 SHEET 5 OF 7 DATE: 1/20/01
 NUMBER: M8207-0-0 L
 SIZE CODE: DUA

8

7

6

5

4

3

B-8-2822-17 G 2

1

"RA" ONLY

RETROFIT M8207 REV F. ECO M8207-MK003.

REWORK INSTRUCTIONS M8207-RA VARIATION, CS REV F.

ETCH CUT SIDE 1:

- 03-1 FROM E21 PIN 13 TO E59 PIN 12 NEAR E11 PIN 10.
- 03-2 FROM E21 PIN 7 TO E5 PIN 21 BETWEEN E21 AND E5.
- 03-3 FROM E21 PIN 21 TO E17 PIN 12 NEAR E16 PIN 9.

ETCH CUT SIDE 2:

- 03-4 AT P.T.H. ABOVE AND TO LEFT OF E31 PIN 6.

WIRE ADDS:

- 03-5 FROM E5 PIN 21 TO E6 PIN 9.
- 03-6 FROM VIA HOLE NEAR E12 PIN 9 TO VIA HOLE NEAR E31 PIN 8.
- 03-7 FROM VIA HOLE NEAR E20 PIN 1 TO E21 PIN 7.
- 03-8 FROM VIA HOLE NEAR E20 PIN 1 TO VIA HOLE NEAR E16 PIN 12.

M8207 REV L

ETCH CUTS SIDE 1

- 07-1 AT E118-2
- 07-2 AT E118-1

WIRE ADDS

- 07-3 E81-9 TO PTH BELOW LEFT OF E118-1

REVISIONS		
CHG	CHANGE NO.	REV.

TITLE	SIZE CODE	NUMBER	REV.
DMP11 MICROCONTROLLER	DUA	M8207-0-0	L
SCALE NONE	SHEET 7 OF 7	DIST.	1

AUTOMATED BY PETLST-3L (37)

PARTS LIST

SHEET A1 OF A3

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR	
				00	YA	RA		
1	1	D-MD-5012845-0-0	5012845-00	M8207	1	1	1	
2	2	1000042-00	1000.0 MMF	100V 5Z200PPM MICA	3	3	3	C1,C7,C11
3	3	1010031-00	.15 MFD	50V 10Z M.POLYCARB	1	1	1	C3
4	4	1000073-00	.39 MFD	10V 10Z S.TANT	1	1	1	C4
5	5	NOTE 1	1012084-01	.8 MFD 25V +75-10% AL EL	7	7	7	C5,C12-C17
6	6	1000017-00	100.0 MMF	300V 5S200PPM MICA	2	2	2	C6,C8
7	7	1000026-00	580.0 MMF	100V 5Z200PPM MICA	2	2	2	C9,C10
8	8	1000011-00	.47.0 MMF	100V 5Z2C0PPM MICA	1	1	1	C18
9	9	1002427-00	.15.0 MMF	100V 5Z200PPM MICA	1	1	1	C19
10	10	1010274-01	.22 MFD 50V +80-20% ZSU CER	25	ZU	ZU	C20-C24,C27-C33,C40-C42,C49,C50	
							CONT CS3-C60	
11	11	1001610-01	.01 MFD50/100V +80-20%	DISC	41	41	41	C62-C67,C69-C74,C76-C104
12	12	1209941-02	HEADER 100 40°DS RT ANGLE		1	1	1	J1
13	13	1212385-04	SKT,IC 24PIN DIP GOLD PLATE		6	6	6	XE1-XE5,X-14
14	14	1216993-02	HANDLE,MODULE,HEX TWO EJECTORS		1	1	1	
15	15	1209838-00	SKT,IC 16PIN DIP GOLD PLATE		1	1	1	XE77
16	16	1300229-00	100.0 .25 W 5.0 Z	CC	6	6	6	R1,R22,R23,R35,R37,R41
17	17	1300365-00	1.0 K .25 W 5.0 Z	CC	17	17	17	R2-R8,R12-R17,R24,R36,R39,R40
18	18	1300271-00	220.0 .25 W 5.0 Z	CC	1	1	1	R9
19	19	1301890-00	560.0 .25 W 5.0 Z	CC	1	1	1	R10
20	20	1301322-50	180.0 .25 W 5.0 Z	CC	5	5	5	R11,R27,R32-R34
21	21	1309419-00	19.60 K .25 W 1.0 X RN55D-F10		1	1	1	R18
22	22	1302514-00	39.0 K .25 W 5.0 Z	CC	1	1	1	R19
23	23	1301317-00	10.0 .25 W 5.0 Z	CC	3	3	3	R20,R21,R38
24	24	BLANK	*** THIS ITEM IS NOT USED ***		-	-	-	
25	25	1303179-00	8.20 K .25 W 5.0 Z	CC	2	2	2	R26,R27
26	26	1302177-00	47.0 K .25 W 5.0 Z	CC	2	2	2	R25,R28
27	27	1300309-00	390.0 .25 W 5.0 Z	CC	2	2	2	R30,R31
28	28	23027F4-00	F4-01		-	1		E1
29	29	2114523-00	4K MOS RAM 55NS 18PIN		8	8	8	E4-E12,E27

***THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.**

MK

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
					00	YA	RA	
30	30		1911579-00	8641 TRANSCEIVER,BUS,QUA	10	10	10	E50,E51,E61-E62,E91-E93,E101, E102,E115
31	31		1913294-00	93S16 COUNTER,SYNCH UP BIN	7	7	7	E15-E18,E24-E26
32	32		1914214-00	LS374 FF-D OCTAL EDGE TRIG	4	4	4	E20-E23
33	33		1912842-00	LS157 MUX 1 OF 2(QUAD)	9	9	9	E29,E31,E40,E42,E52,E63,E70,E79, E94
34	34		1913671-00	74S374 FF-D OCTAL TRISTATE	3	3	3	E30,E41,E54
35	35		2320241-00	A1-07	1	1	1	E32
36	36		1911675-00	74S138 DECODER/DENMUX 3-8 LIN	4	4	4	E33,E56,E80,E96
37	37		1912728-00	74S251 MUX 1 OF 8 TRI-STA	8	8	8	E34-E36,E46-E48,E57-E58
38	38		1912697-00	LS174 FF-D HEX W/CLEAR	3	3	3	E37,E43,E97
39	39		1912696-00	LS194A SHIFT REG.,4BIT BI-D	2	2	2	E38,E47
40	40		1913462-00	74S240 OCTAL BUFFER,INVERTI	4	4	4	E39,E88,E106,E113
41	41		2312041-00	A1-07	1	1	1	E44
42	42		1910539-00	74S20 NAND GATE-DUAL 4INPU	1	1	1	E45
43	43		1912647-C0	LS257 MUX 1 OF 2 (QUAD)	2	2	2	E53,E64
44	44		1910956-00	74S151 MUX 1 OF 8	1	1	1	E55
45	45		1910532-00	74S00 NAND GATE-QUAD 2IN	2	2	2	E59,E108
46	46		1910549-00	74S158 MUX 1 OF 2 (QUAD)	1	1	1	E60
47	47		2312161-00	A1-07	1	1	1	E65
48	48		1910531-00	DEC 74S181 ALU-4BIT	2	2	2	E66,E74
49	49		1910957-00	74S175 FF-D QUAD COMMON CLO	4	4	4	E67,E75,E89,E99
50	50		1910548-00	74S157 MUX 1 OF 2 (QUAD)	3	3	3	E68,E83,E86
51	51		1912837-00	LS123 ONE SHOT-DUAL,RETRIG	3	3	3	E69,E129,E132
52	52		1912741-00	82S112 MEMORY READ/WRITE, 3	4	4	4	E71-E73,E78
53	53		1912853-00	LS175 FF-D QUAD	1	1	1	E76
54	54		1905580-00	DEC 7450 A-O-I XPNDRBLE GATE-D	2	2	2	E81,E117
55	55	C-IA-5400778-0-0	5408778-00	PLUG PRICORITY	1	1	1	E77
56	56		1910544-00	74S74 FF-D DUAL,EDGE TRIGG	4	4	4	E82,E105,E109,E121
57	57		1912661-00	74S189 MEMORY READ/WRITE	2	2	2	E84,E90
58	58		1910537-00	74S1 AND GATE-TRIPLE 3INP	2	2	2	E95,E119
59	59		1912845-00	LS153 MUX 1 OF 4 (DUAL)	1	1	1	E98
60	60		1909705-00	DEC 8881 NAND GATE-QUAD 2IN C	2	2	2	E100,E114
61	61		1912842-00	LS138 DECODER-THREE INPUT,	1	1	1	E104
62	62		1912805-C0	LS08 AND GATE-QUAD 2IN,PO	1	1	1	E103
63	63		1910536-00	74S10 NAND GATE-TRIMLE 3IN	1	1	1	E107
64	64		1911712-00	74S51 AND-OR GATE-INVERT D	2	2	2	E110,E118
65	65		1910542-00	74S64 A-O-I GATE 4-2-3-2	1	1	1	E111
66	66		1914438-00	DC 013 UNIBUS INTERRUPT-BIP	2	2	2	E112,E124
67	67		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	2	2	2	E116,E120
68	68		1910545-00	74S112 FF-JK DUAL,EDGE TRIG	3	3	3	E122,E134,E135
69	69		1912395-00	DM 8136 COMPARATOR-6BIT UNIF	2	2	2	E125,E126
70	70		1811660-05	OSCILLATOR, XTAL 33.330 MHZ	1	1	1	E123
71	71		1912834-00	LS112 FF-JK DUAL,EDGE TRIG	1	1	1	E130
72	72		1909004-00	DEC 74C2 NOR GATE-QUAD 2IN	1	1	1	E131
73	73		1912389-00	74S08 AND GATE-QUAD 2IN,PO	1	1	1	E133
74	74		1211184-C4	SW,DIP 1P 1A 8POS	1	1	1	E28
75	75		1211165-06	SW,DIP 1P 1A 10POS	1	1	1	E127

TITLE		SECTION A OF A		SIZE	CODE	DOCUMENT NUMBER	REV
B	I	G	I	T	A	L	
DMP11 MICROCONTROLLER					K	M8207-0-0	K

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION			REFERENCE DESIGNATOR
				00	YA	RA	
76	76	1300005-03	R NETWORK 13-10M .5.0 X 14PIN	1	1	1	E128
77	77	90000024-01	EYELET,ROLL FLANGE .1210DX .192	10	10	10	
78	78	9007112-00	TERM QUICK 1POS ADAPTER	2	2	2	TP1,TP2
79	79	9009000-00	EYELET,ROLL FLANGE .1210DX .156	2	2	2	
80	80	9009165-00	JUMPER, WIRE, INSULATED, BLACK B	1	1	1	H2
81	81	23002F4-00	F4-01	—	1	—	E2
82	82	23028F4-00	F4-01	—	1	—	E3
83	83	23029F4-00	F4-01	—	1	—	E4
84	84	23030F4-00	F4-01	—	1	—	E5
85	85	23006F4-00	F4-01	—	1	—	E14
86	86	C-MD-742197-0-0	CKIP MODULE VARIATION I.D. "YA"	—	1	—	
87	87	NOTE 2	SW,DIP 1P 1A 4POS	1	1	1	E85
88	88	7421915-01	CLIP MODULE VARIATION I.D. "RA"	—	—	1	
89	89	23127F3-00	F3-03	—	—	1	E1
90	90	23100F3-00	F3-03	—	—	1	E2
91	91	23101F3-00	F3-03	—	—	1	E3
92	92	23128F3-00	F3-03	—	—	1	E4
93	93	23103F3-00	F3-03	—	—	1	E5
94	94	23104F3-00	F3-03	—	—	1	E14
95	95	9105740-55	WIRE(WRAP)30AWG	UL1423	A/R	A/R	

96 NOTE: NOTE 1. 1004813-00 MAY BE USED INSTEAD OF 1012084-01.

97 NOTE: NOTE 2. 1211164-01 MAY BE USED INSTEAD OF 1211164-00

TITLE					SECTION A OF A			SIZE/CODE		DOCUMENT NUMBER	REV
B	I	G	I	T	A	L	D	P	M		K
										M8207-0-0	

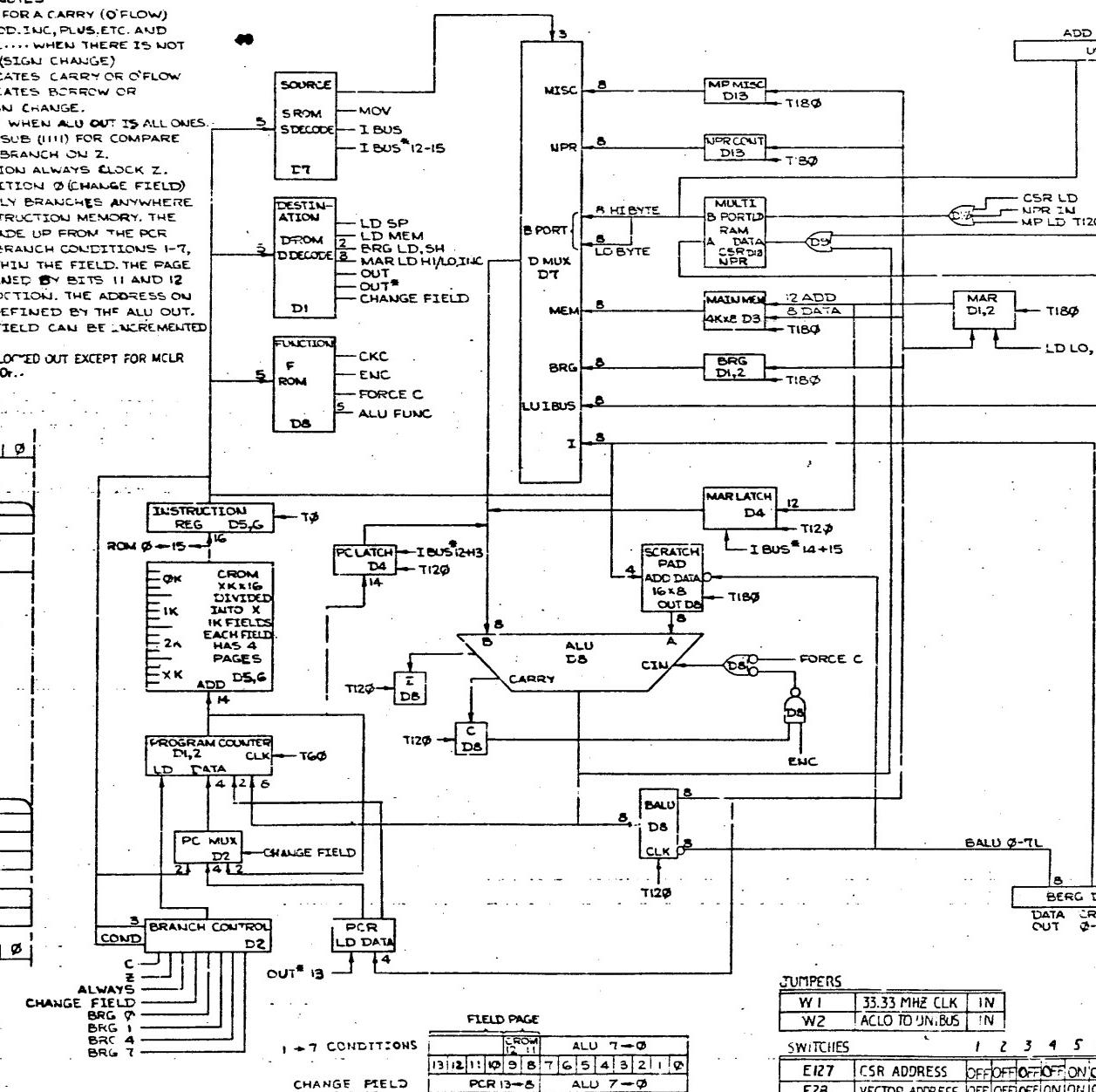
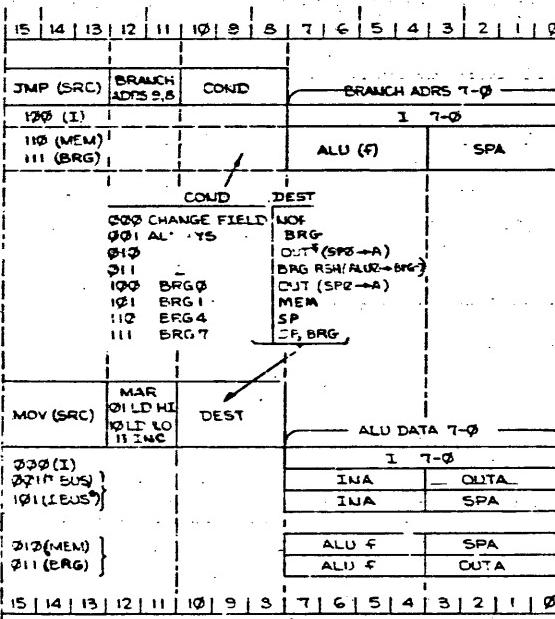
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION FROM THE OWNER OF THE ORIGINAL DRAWING. NO PART OF THIS DRAWING OR SPECIFICATIONS MAY BE SOLD OR USED BY OTHER THAN THE ORIGINAL OWNER.

Copyright © 1977 - DIGITAL EQUIPMENT CORPORATION

ALU F CODE

25 COMP SUB	(A-B)	1110
15 COMP SUB	(A-B-1)	1111
ADD	(A,B)	001?
ADD W/C	(A,B,C)	0001
SUB W/C	(A-B-C)	001C
INC A	(A+1)	0011
A PLUS C	(A,C)	0100
2A	(A,A)	0101
2A W/C	(A,A,C)	0110
DECA	(A-1)	0111
SELA	(A)	1000
SELB	(B)	1001
A OR B	(A+B)	1010
A AND B	(AB)	1011
A OR B	(A-B)	1100
A XOR B	(A+B)	1101

- NOTES
1. C WILL ASSERT FOR A CARRY (O'FLOW) DURING ANY ADD, INC, PLUS, ETC. AND FOR A SUB, DEC.... WHEN THERE IS NOT A BORROW OR SIGN CHANGE
 2. ADD: C+ INDICATES CARRY OR O'FLOW
 3. SUB: C+ INDICATES BORROW OR SIGN CHANGE.
 4. Z WILL ASSERT WHEN ALU OUT IS ALL ONES.
 5. USE 15 COMP SUB (1111) FOR COMPARE FOLLOWED BY BRANCH ON Z.
 6. MOV INSTRUCTION ALWAYS CLOCK Z.
 7. BRANCH CONDITION 0 (CHANGE FIELD) UNCONDITIONALLY BRANCHES ANYWHERE IN THE XK INSTRUCTION MEMORY. THE ADDRESS IS MADE UP FROM THE PCR AND THE ALU. BRANCH CONDITIONS 1-7, BRANCHES WITHIN THE FIELD. THE PAGE BITS ARE DEFINED BY BITS 11 AND 12 OF THE INSTRUCTION. THE ADDRESS ON THE PAGE IS DEFINED BY THE ALU OUT. G. ANY PAGE OR FIELD CAN BE INCREMENTED INTO.
 7. CSR BYTE ONE IS LOVED OUT EXCEPT FOR MCLR WHEN SWITCH IS On.



W1	33.33 MHZ CLK	IN
W2	ACLO TO UNIBUS	IN

E127	CSR ADDRESS	OFF	OFF	OFF	ON	ON	ON	ON	ON	(70010)
E28	VECTOR ADDRESS	OFF	OFF	OFF	ON	ON	OFF			(300)
RUN					ON					
CSR DISABLE					OFF					

E85	CSR1 LOCK	ON	NOTE 7
-----	-----------	----	--------

FIRST USED ON DMP II-AD digital

DRN/SC	Card 1567
CHK'D	19
ENG	Eng. 2
PROJ. ENG.	---
PROJ. MGR.	---
NEXT KIT/ER ASSY.	---
SCALE	1-1
CODE	M8207-01
NUMBER	1
REV.	L

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT, EXCEPT WITH THE WRITTEN CONSENT OF DIGITAL EQUIPMENT CORPORATION.
Copyright © 1978, DIGITAL EQUIPMENT CORPORATION

D8 BALU 0(1)H

D8 BALU 1(1)H

D8 BALU 2(0)H

D8 BALU 3(1)H

DG CROM 8H

DG CROM 9H

DG CROM 10H

DG CROM 11H

DG CROM 12H

10

A0

D8

9

DI BRANCH FLD H

11

A1

D7

7 SP

12

A2

D5

6 MEM

13

A3

D5

5 SC

14

A4

D4

4 SI

15

A5

D3

3 MARIN

16

A6

D2

2 MARIN

17

A7

D1

1 MARLO

18

A8

D0

0 LD MAR LO L

19

C

CE

20

D ROM

21

SP

22

E32

23

2

24

1

25

0

26

DI BRANCH FLD H

27

SP

28

7 SP

29

6 MEM

30

5 SC

31

4 SI

32

3 MARIN

33

2 MARIN

34

1 MARLO

35

0 LD MAR LO L

36

DI LD MAR HI L

37

DI LD MAR HI L

38

DI LD MAR HI L

39

DI LD MAR HI L

40

DI LD MAR HI L

41

DI LD MAR HI L

42

DI LD MAR HI L

43

DI LD MAR HI L

44

DI LD MAR HI L

45

DI LD MAR HI L

46

DI LD MAR HI L

47

DI LD MAR HI L

48

DI LD MAR HI L

49

DI LD MAR HI L

50

DI LD MAR HI L

51

DI LD MAR HI L

52

DI LD MAR HI L

53

DI LD MAR HI L

54

DI LD MAR HI L

55

DI LD MAR HI L

56

DI LD MAR HI L

57

DI LD MAR HI L

58

DI LD MAR HI L

59

DI LD MAR HI L

60

DI LD MAR HI L

61

DI LD MAR HI L

62

DI LD MAR HI L

63

DI LD MAR HI L

64

DI LD MAR HI L

65

DI LD MAR HI L

66

DI LD MAR HI L

67

DI LD MAR HI L

68

DI LD MAR HI L

69

DI LD MAR HI L

70

DI LD MAR HI L

71

DI LD MAR HI L

72

DI LD MAR HI L

73

DI LD MAR HI L

74

DI LD MAR HI L

75

DI LD MAR HI L

76

DI LD MAR HI L

77

DI LD MAR HI L

78

DI LD MAR HI L

79

DI LD MAR HI L

80

DI LD MAR HI L

81

DI LD MAR HI L

82

DI LD MAR HI L

83

DI LD MAR HI L

84

DI LD MAR HI L

85

DI LD MAR HI L

86

DI LD MAR HI L

87

DI LD MAR HI L

88

DI LD MAR HI L

89

DI LD MAR HI L

90

DI LD MAR HI L

91

DI LD MAR HI L

92

DI LD MAR HI L

93

DI LD MAR HI L

94

DI LD MAR HI L

95

DI LD MAR HI L

96

DI LD MAR HI L

97

DI LD MAR HI L

98

DI LD MAR HI L

99

DI LD MAR HI L

100

DI LD MAR HI L

101

DI LD MAR HI L

102

DI LD MAR HI L

103

DI LD MAR HI L

104

DI LD MAR HI L

105

DI LD MAR HI L

106

DI LD MAR HI L

107

DI LD MAR HI L

108

DI LD MAR HI L

109

DI LD MAR HI L

110

DI LD MAR HI L

111

DI LD MAR HI L

112

DI LD MAR HI L

113

DI LD MAR HI L

114

DI LD MAR HI L

115

DI LD MAR HI L

116

DI LD MAR HI L

117

DI LD MAR HI L

118

DI LD MAR HI L

119

DI LD MAR HI L

120

DI LD MAR HI L

121

DI LD MAR HI L

122

DI LD MAR HI L

123

DI LD MAR HI L

124

DI LD MAR HI L

125

DI LD MAR HI L

126

DI LD MAR HI L

127

DI LD MAR HI L

128

DI LD MAR HI L

129

DI LD MAR HI L

130

DI LD MAR HI L

131

DI LD MAR HI L

132

DI LD MAR HI L

133

DI LD MAR HI L

134

DI LD MAR HI L

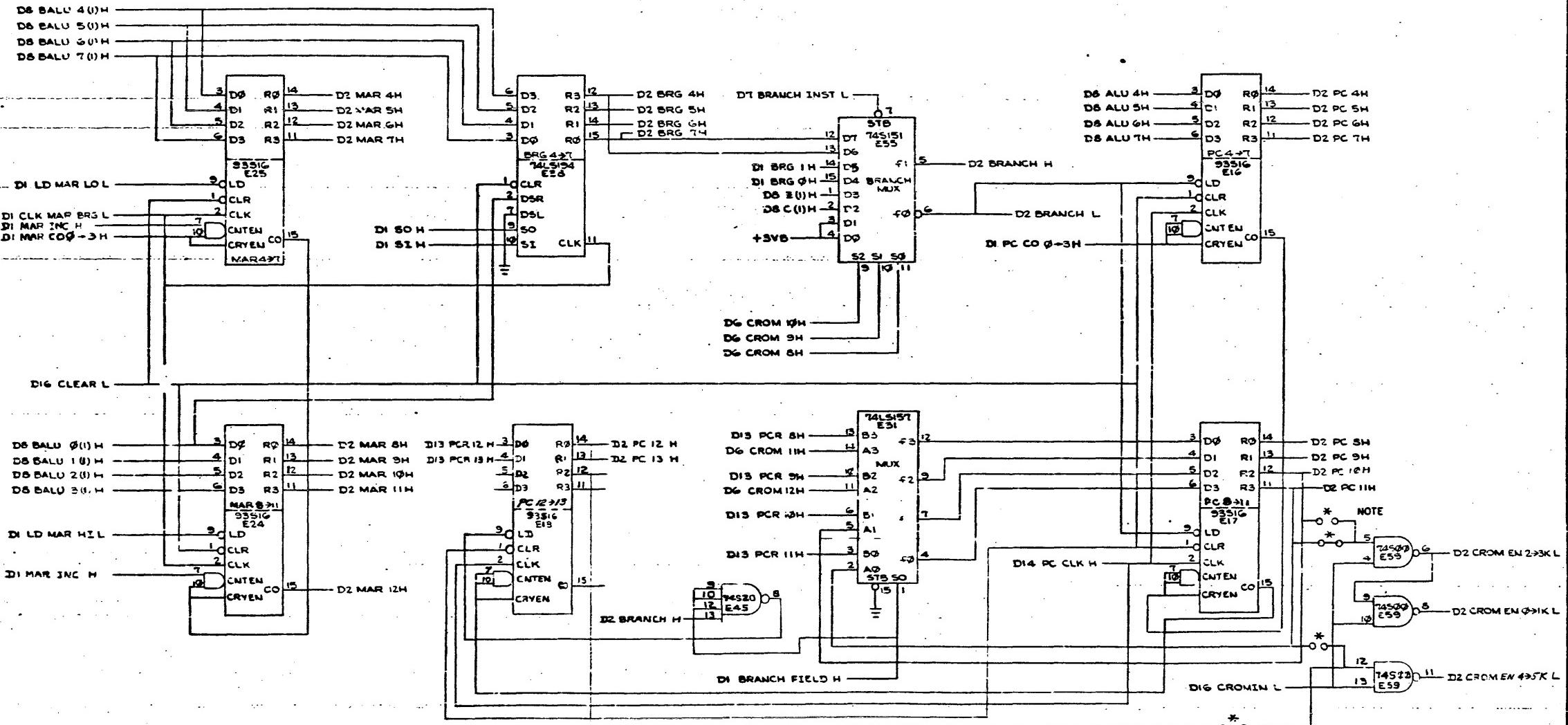
135

DI LD MAR HI L

"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION"

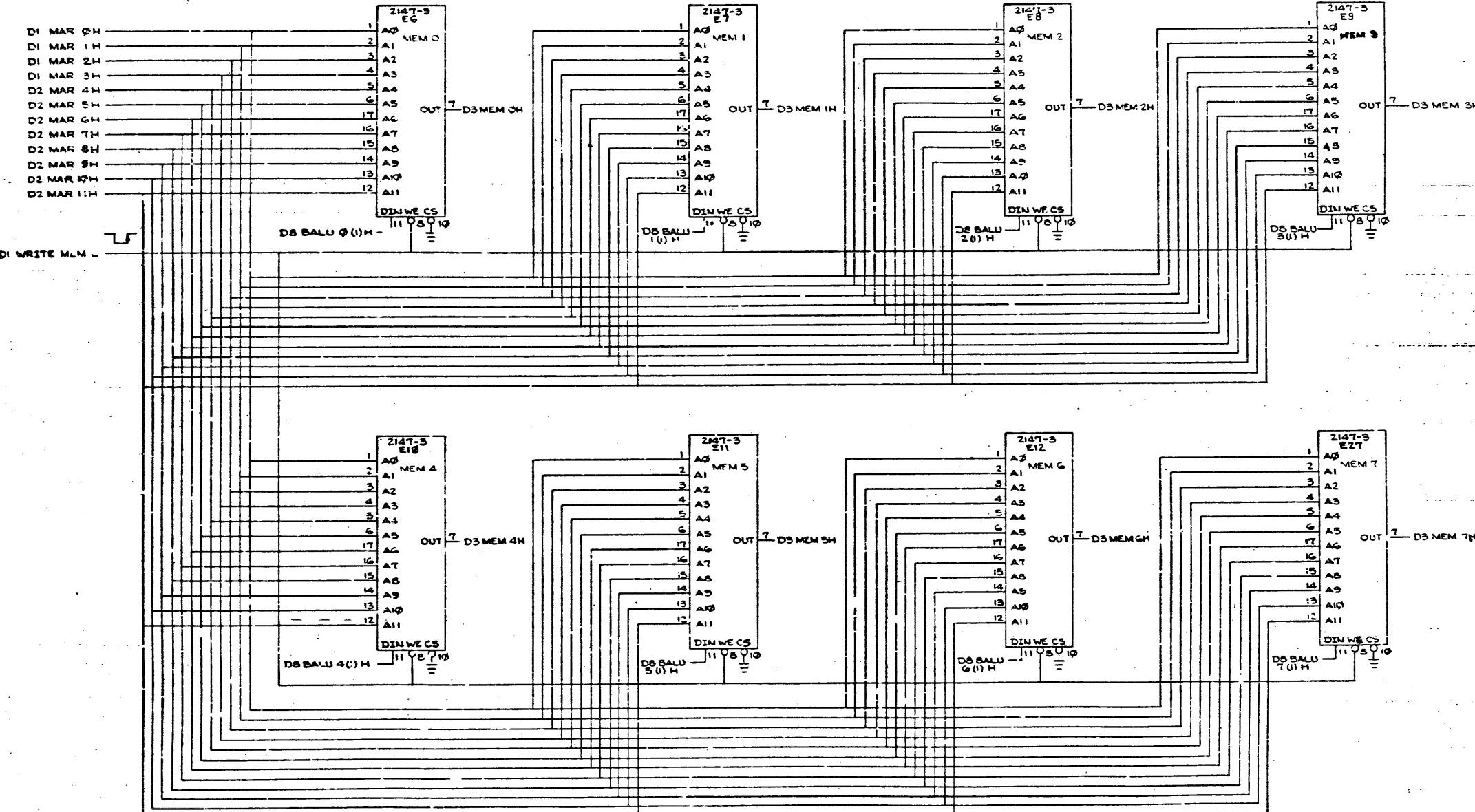
* NOTE: OPTIONAL WIRING.

CIRCLES SHOWN CONNECTED ARE FOR MB207-YA ONLY.
CIRCLES NOT CONNECTED WOULD BE FOR MB207-RA ONLY.



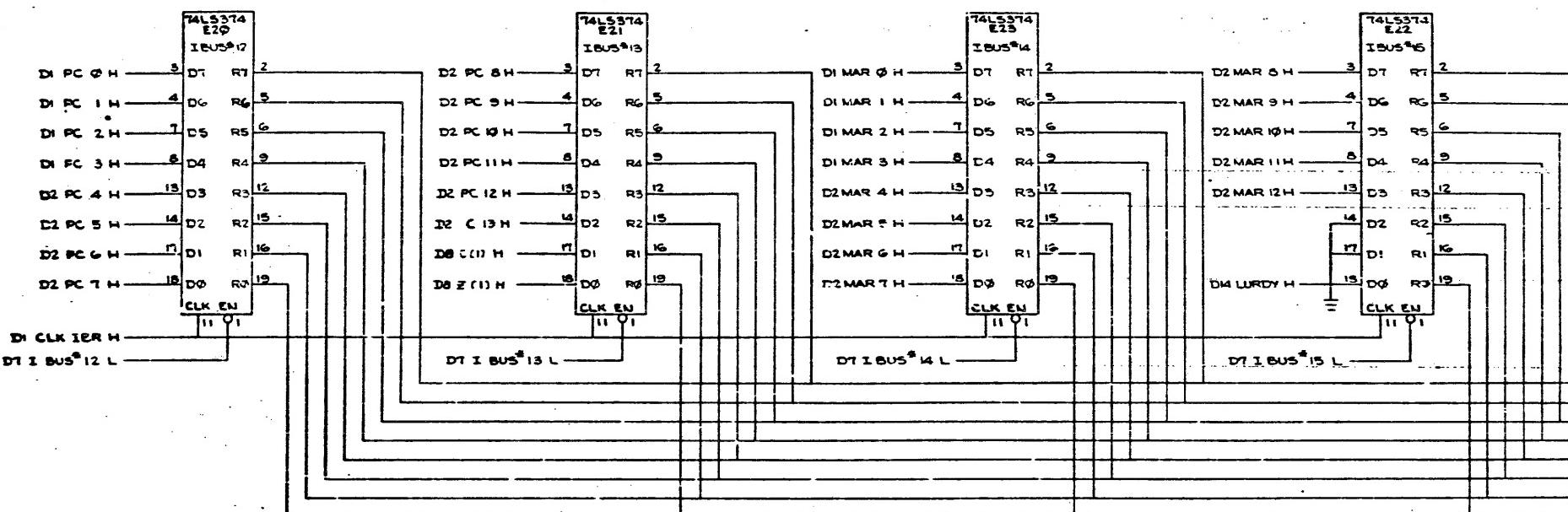
BRG 4-7, MAR 4-11, PC 4-13	FIRST USED ON	DPII-AD	digital
DRW- EE CIRCUIT			
CHKD			
ENG			
PROL. ENG.			
PROD.			
NEXT HIGHER ASSY.			
EDITION 27-1	SIZE	CODE	NUMBER
SCALE 1	D	CS	M8207-0-1
SHEET 4 OF 2	DST.		REV. L

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART BY THE READER OR HIS WORKERS OR SALE OF ITEMS WITHOUT WRITER PERMIS.



MAIN MEMORY 3-7		FIRST USED ON	
DRIVE	DATE	CHIP	HAD
CHKD		digital	
ENG.		TITLE	
PROJ. ENG.		COMPU MICROCONTROLLER	
PROD.		D3	
NEXT HIGHER ASSY:			
B-DC-MR		SIZE	CCD
SCALE		DICS	NUMBER
SHEET	5 OF 2	DIST.	REV.

-THIS DRAWING AND SPECIFICATION ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED WHOLLY OR IN PART AS THE BASIS FOR THE MANUFACTURE, USE, OR SALE OF EQUIPMENT WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978, DIGITAL EQUIPMENT CORPORATION



- DT DMUX 0 H
- DT DMUX 1 H
- DT DMUX 2 H
- DT DMUX 3 H
- DT DMUX 4 H
- DT DMUX 5 H
- DT DMUX 6 H
- DT DMUX 7 H

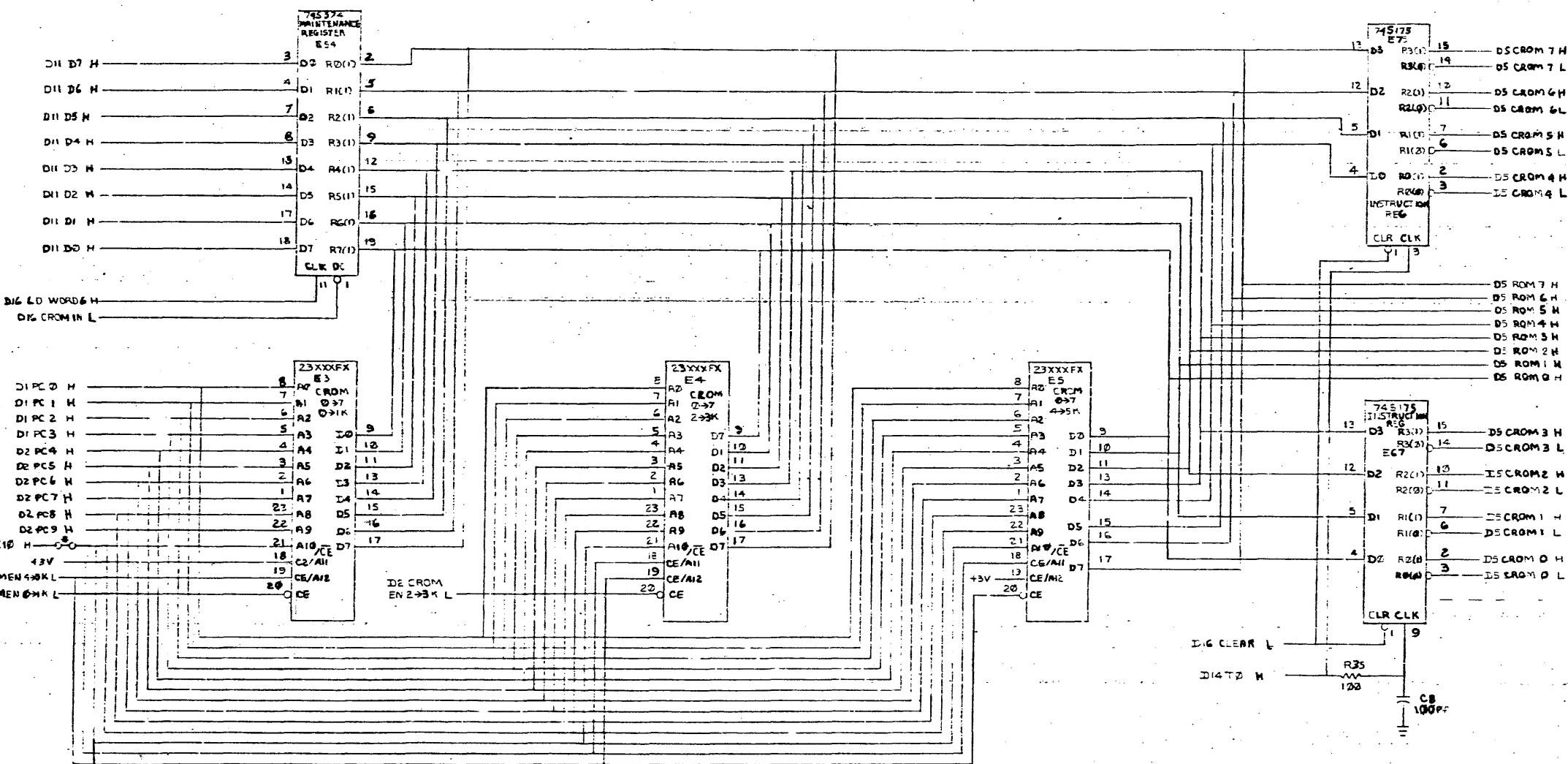
* DMUX SIGNALS ARE TRI STATE

I BUS* REGTSTER 12-15		FIRST USED ON	
DRAFTING SHEET NO.		DMP11-AD digital	
CHCD		TITLE	
EPC		DMP11	
PROL. ENG.		MICROCONTROLLER	
PROD.		(D4)	
NEXT HIGHER ASSY.			
B-B-D-M-207-2		SIZE	CODE
SCALE		D	CS
SHEET 6 OF 21		NUMBER M8207-0-1	
		REV. L.	
		DIST.	

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION

D

D



A

A

REVISIONS		
CHK	CHANGE NO	REV.

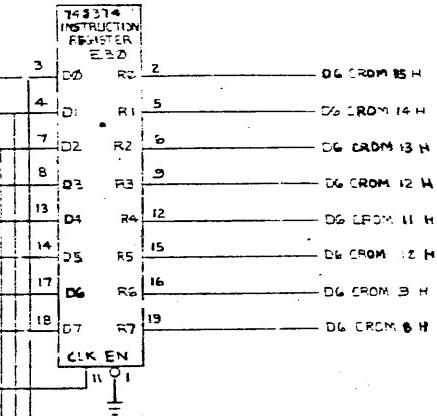
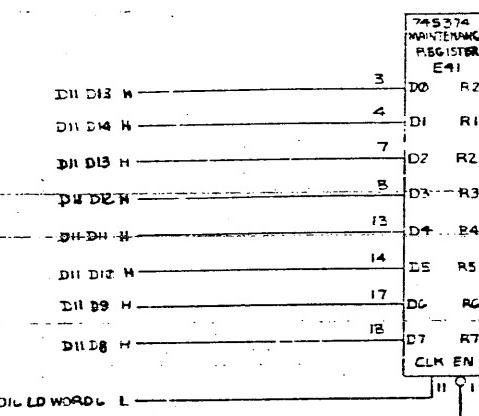
(CROM + IR + MAINTENANCE 6 → 7)

TITLE	DSN	SPEC CODE	NUMBER	REV.
DM711 MICROCONTROLLER			DCSM8207-0-1	L
SCALE			SHEET 7 OF 21	DIST. 1

THIS DRAWING AND SPECIFICATIONS CONTAIN TRADE SECRET INFORMATION OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT. THIS DRAWING IS THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION.
COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION

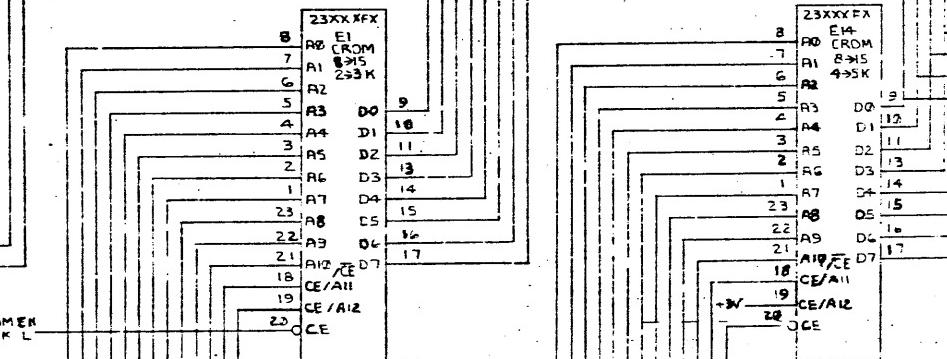
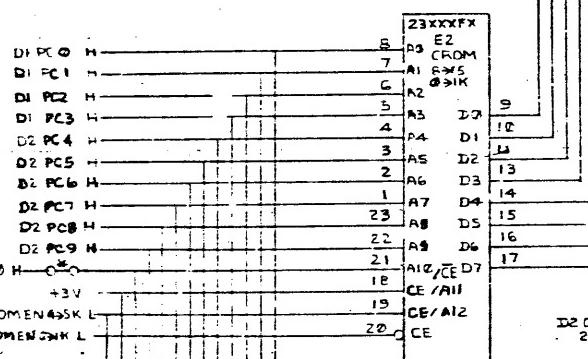
D

D



C

C



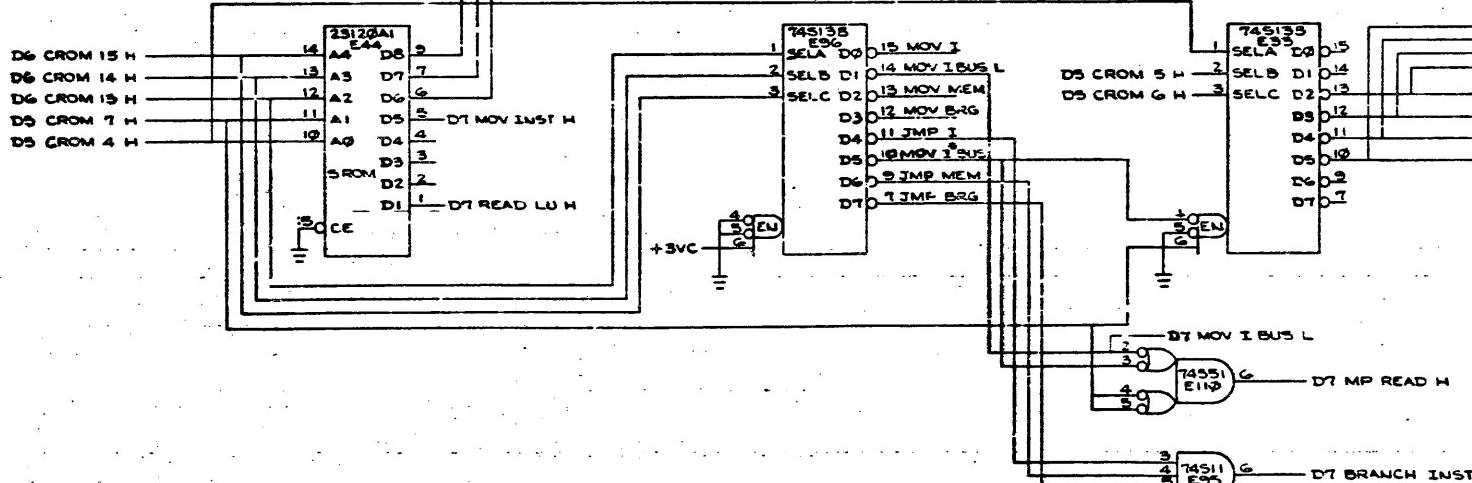
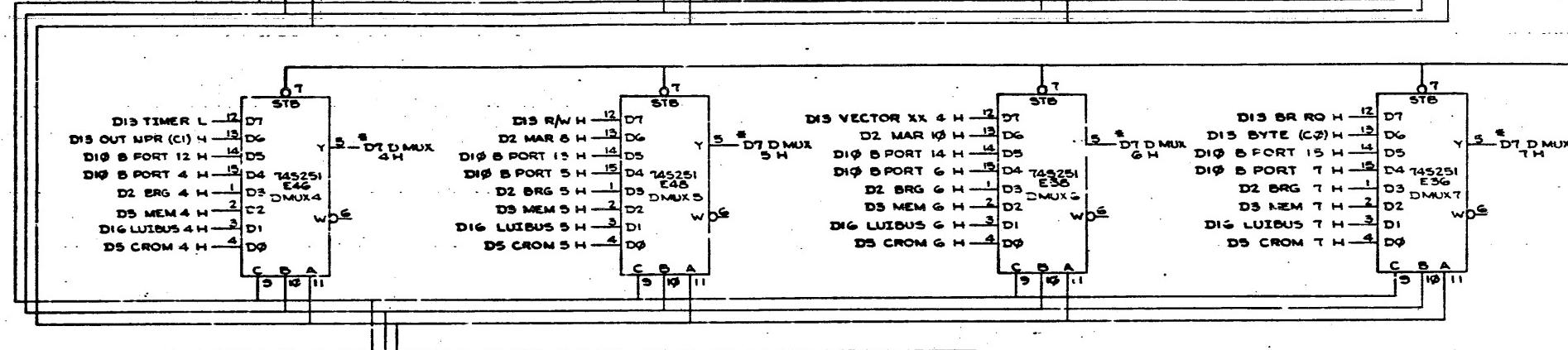
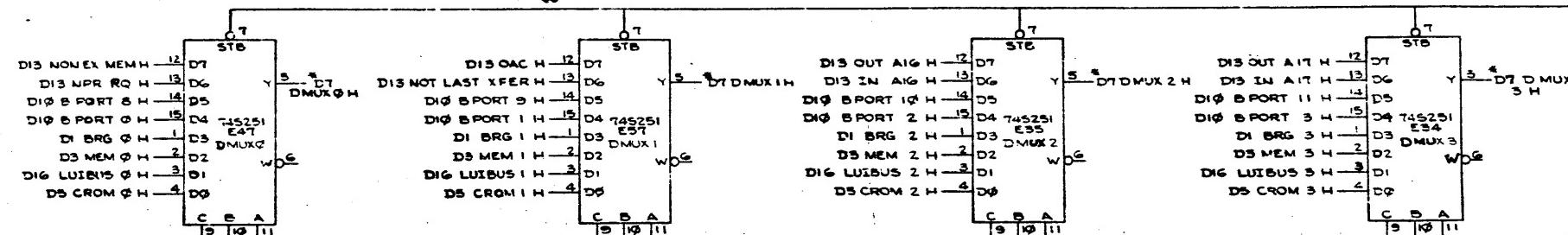
NOTE: OPTIONAL WIRING
 CIRCLES SHOWN CONNECTED ARE FOR MB207-YA ONLY.
 CIRCLES NOT CONNECTED WOULD BE FOR MB207-RA ONLY.
 D2 PC10 H BECOMES CE IN MB207-RA.

(CROM+IR+MAINTENANCE 2-15)

REVISIONS		TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO.	REV.	DNP11 MICROCONTROLLER	(D6)	DCS	M8207-0-1	L		
			SCALE	SHEET 1 OF 21	DIST.				

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION. SMALL PRINTS, CHANGES, AND DELETIONS MADE IN THIS DRAWING DO NOT AFFECT THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
DEPARTMENT Q 1578 DIGITAL EQUIPMENT CORPORATION

74525	
H	H UF MISC
H	L NPCR CNTL
H	L B PORT OCT
H	L B PORT EVEN
H	BRG
L	L MEM
L	L LUBUS
L	L I



DNUX, SRAM, S/P DECODE		FIRST USED ON	
DNUX, SRAM, S/P DECODE		DMP11-AD digital	
CNC'D		TITLE	
ENG F. 1		DMP11	
PROL ENG. /		MICROCONTROLLER	
PROD. /		(D7)	
NEXT HIGHER ASSY.			
B-00-V-2-1		SIZE	CODE
SCALE		D	CS
SHEET		C	NUMBER
OF 2		1	REV.
		DIST.	L

8

7

1

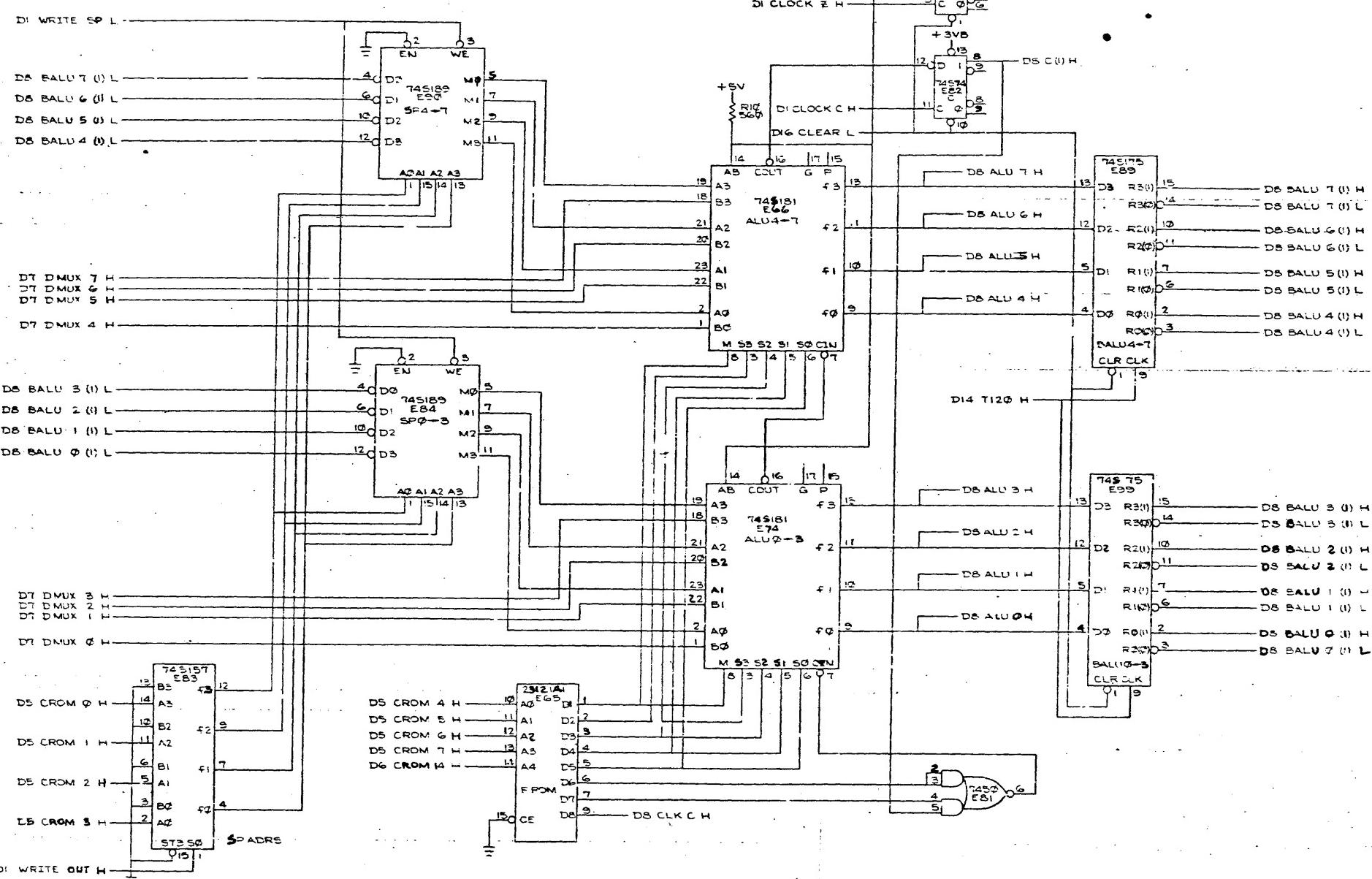
1-8

10

A standard linear barcode is positioned above the file number. The file number itself is printed in a bold, black, sans-serif font.

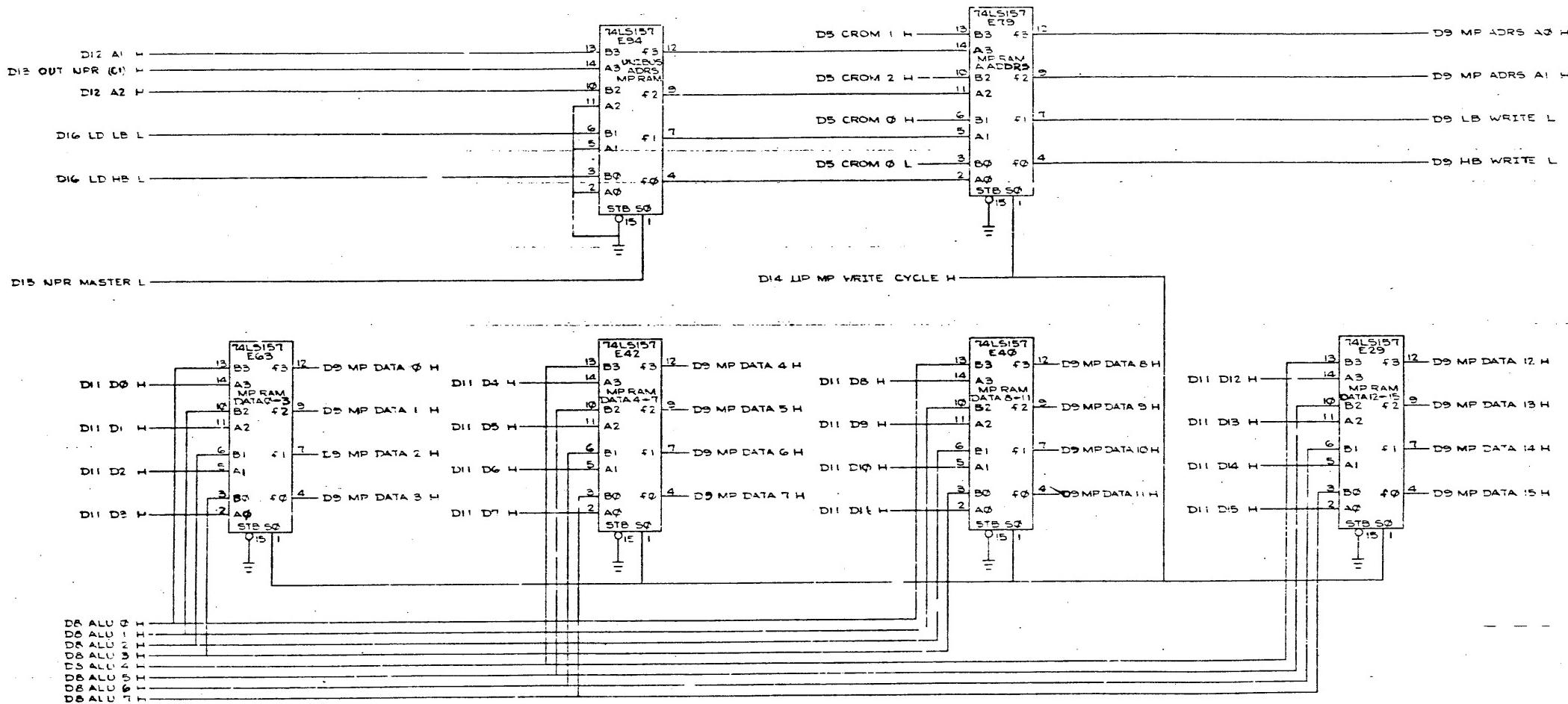
"THIS DRAWING AND SPECIFICATIONS, HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977 A. DIGITAL EQUIPMENT CORPORATION

D: WRITE SP L



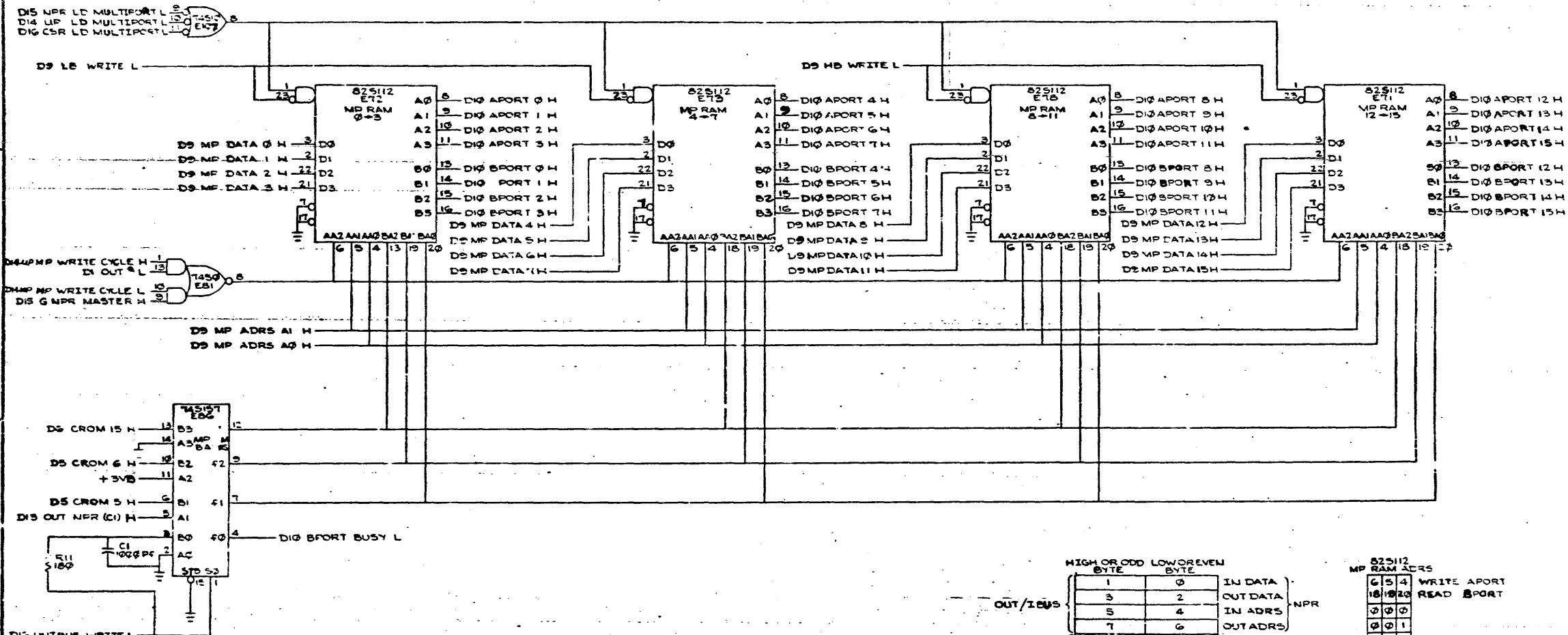
ALU-BALL FF.CLE.FROM			
DRN	SERIAL NO.		
FIRST USED ON			
CHK'D	DAP LAB digital		
ENG	DES		
PROJ. ENG	DES		
PROD	DES		
TITLE			
MPU			
MICROCONTROLLER			
(DS)			
NEXT HIGHER ASSY.			
SHEET 10 OF 21			
SIZE	CODE	NUMBER	REV
5/16	DS	M8207-0-1	L
DATE			
SHEET	10	OF	21
DIST.			

THIS DRAWING AND SPECIFICATIONS HEREBY ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF FELTS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1981, DIGITAL EQUIPMENT CORPORATION



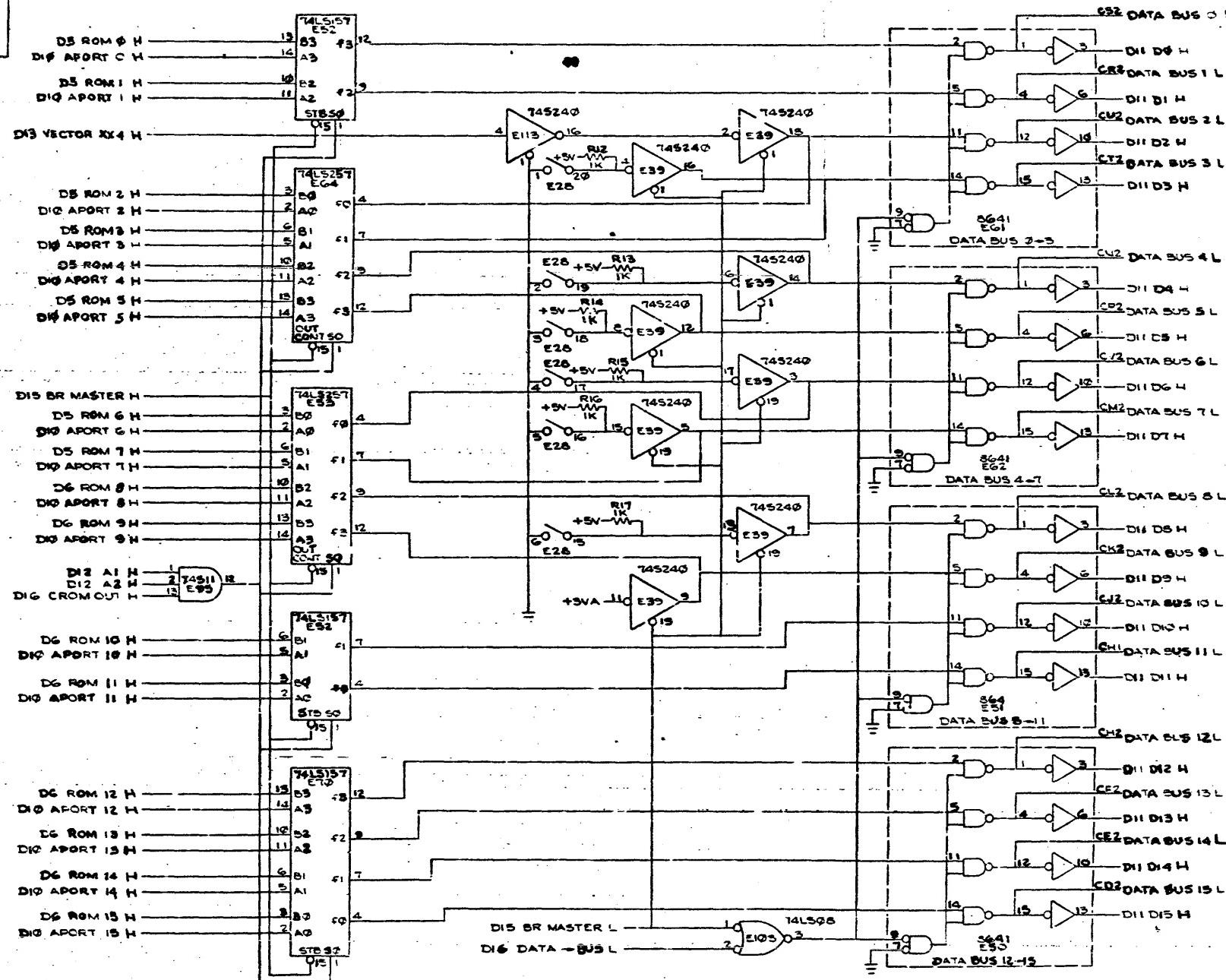
DRN SMC Current P.3 NO.		FIRST USED ON	
DRN	SMC	DMP	HAD
CHK'D		digital	
ENG.		TITLE	
PROJ. ENG.		DMP II-HAD	
PROD.		MICROCONTROLLER	
NEXT HIGHER ASSY		(D9)	
B-D-15-2-1	SIZE	CODE	NUMBER
SCALE	D	CS	M82A7-0-1
SHEET	OF	DIST.	REV.
1	2		L

THIS DRAWING AND SPECIFICATION HEREBE ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED EXCEPT IN WHOLE OR IN PART, WITHOUT THE WRITTEN APPROVAL OF THE DIRECTOR OF DESIGN, OR THE SALE OR LEASE OF THIS DRAWING AND SPECIFICATION, OR THE SALE OF COPIES, WITHOUT THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION.



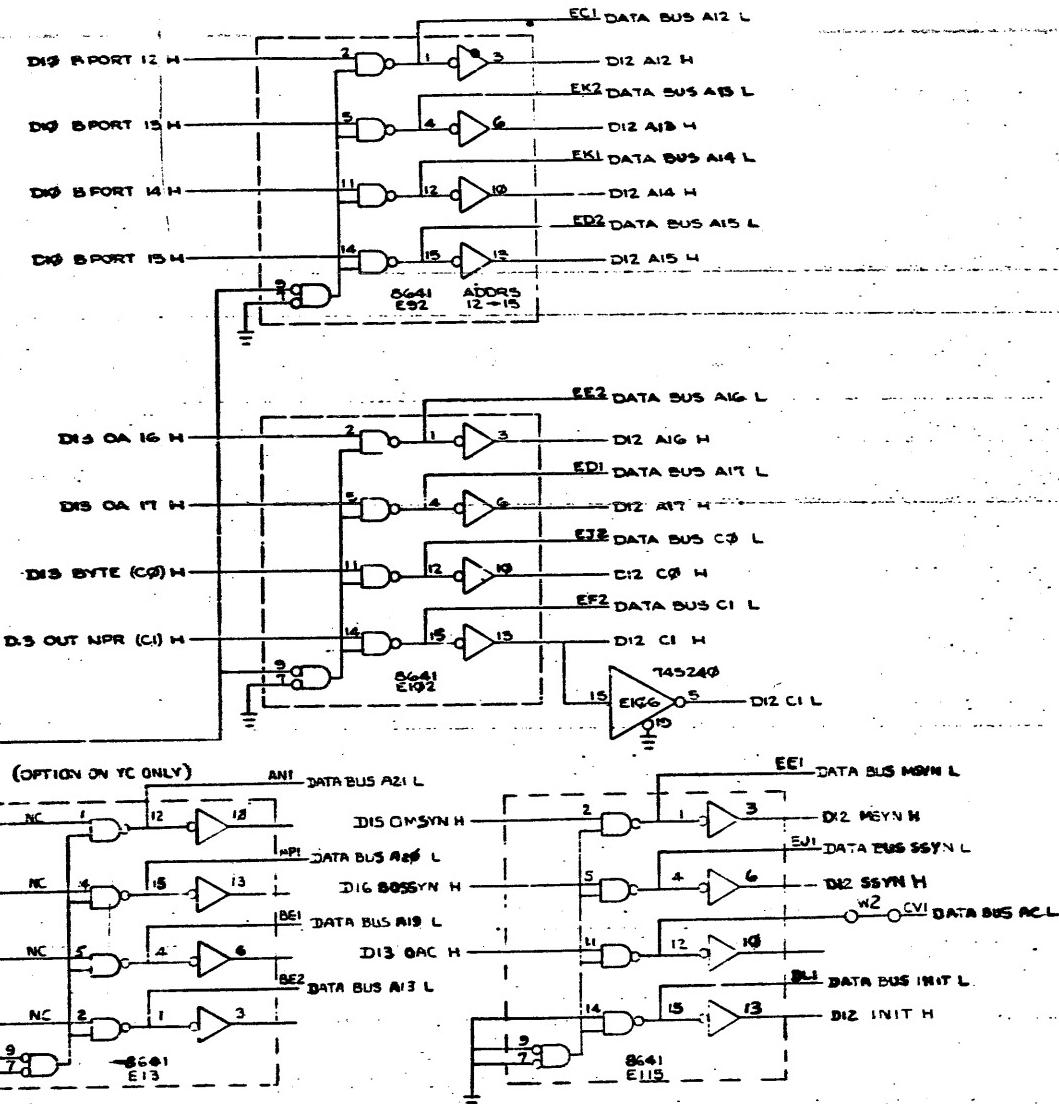
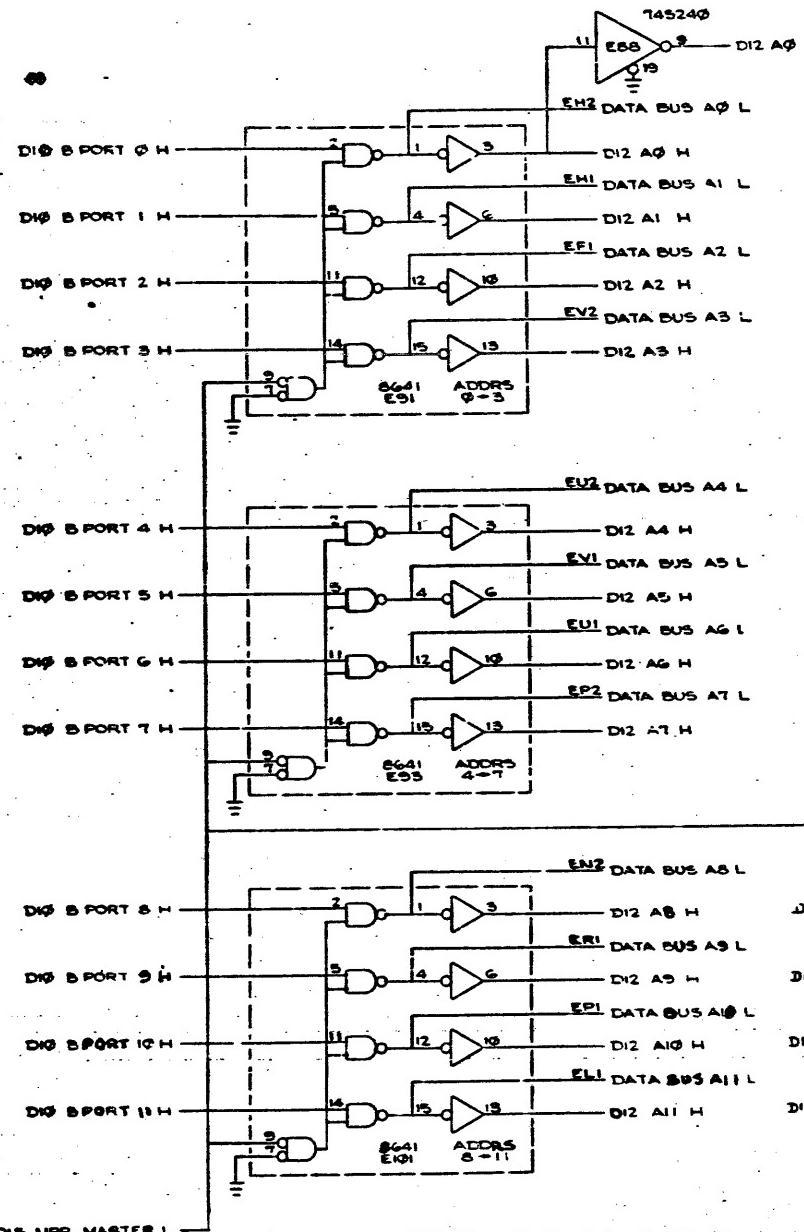
MULTIPORT RAM		FIRST USED ON	
DMP II-C		digital	
CNC		TITLE	
ENG		DMP II-C MICROCONTROLLER	
PROJ		(D10)	
NEXT HIGHER ASSY			
B-DD-10237-0		SIZ	CODE
SCALE		D	C
SHEET		M	N
OF 2		8207-0-1	L
DRAWN BY		REV.	
CHG NO		1	

* THIS DRAWING AND SPECIFICATIONS HEREBY ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR ANOTHER'S DESIGN, MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1970 DIGITAL EQUIPMENT CORPORATION



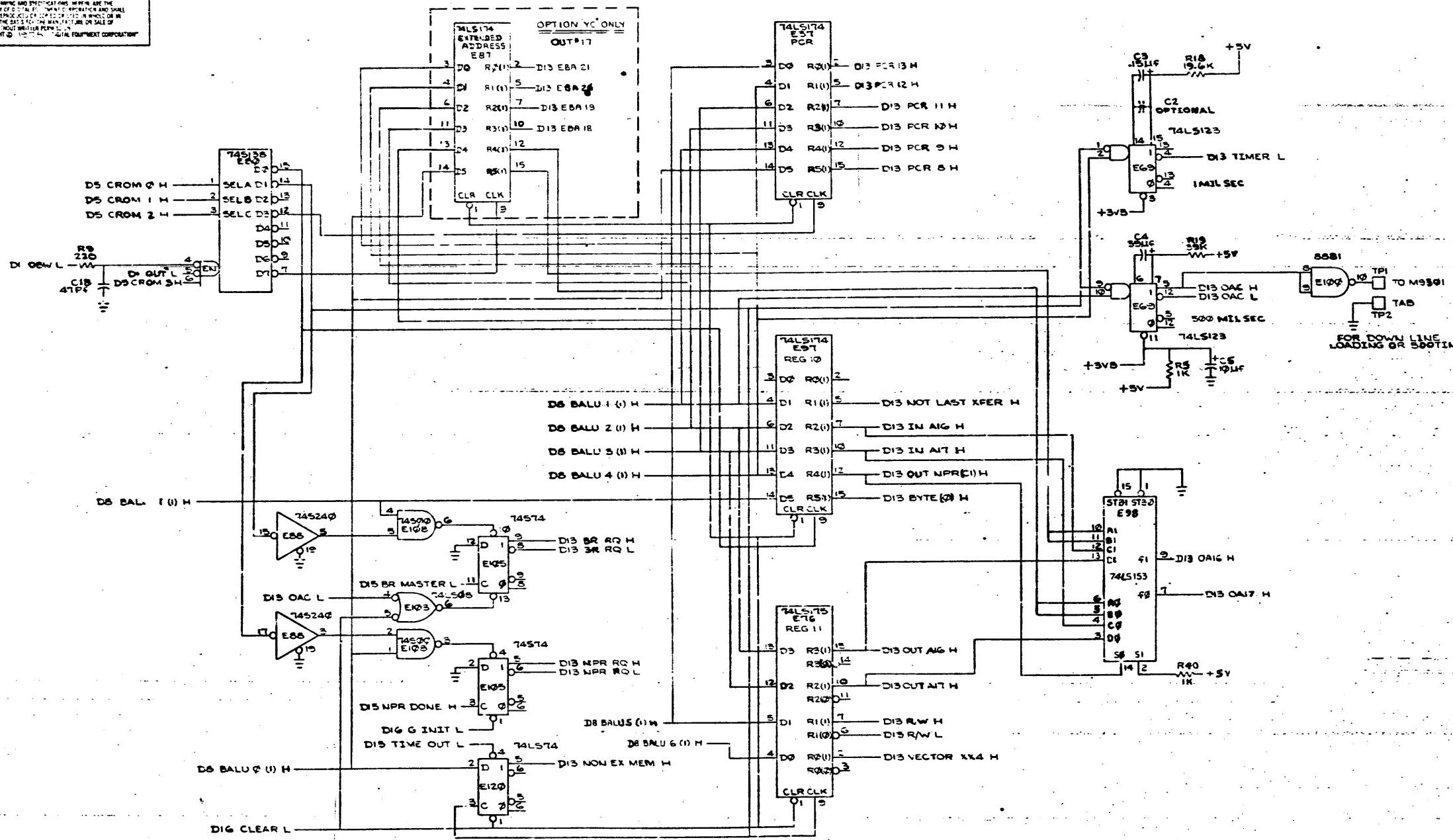
UNIBUS DATA INTERFACE		FIRST USED ON	
DRWLS-24-10-13-1973		DMP 1 HAD	digital
CHCD		TITLE	
ENC		DMP II MICROCONTROLLER	
PROJ ENCL		(D1)	
PROD			
NEXT HIGHER ASSY.			
B-30-MB207-1		SIZE	CODE
SHEET 13 OF 2		D	M8207-1
		REV.	L
		NUMBER	
		DIST.	

THIS DRAWING AND SPECIFICATIONS HERIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION FROM THE COMPANY. THIS DRAWING IS THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION.



UNIBUS ADRS INTERFACE		FIRST USED ON	
DRIVE	CIRCUIT	DRIVE	CIRCUIT
CMCO		DMPII	digital
ENG		TITLE	DMPII
PPAL ENG		MICROCONTROLLER	(D12)
PROG CLK	FROM	SIZE	CODE
NEXT HIGHER ASSY		NUMBER	M8207-0-1
B-00-16207-0		REV.	L
SCALE		SHEET	14 OF 21
CHG		DIST.	

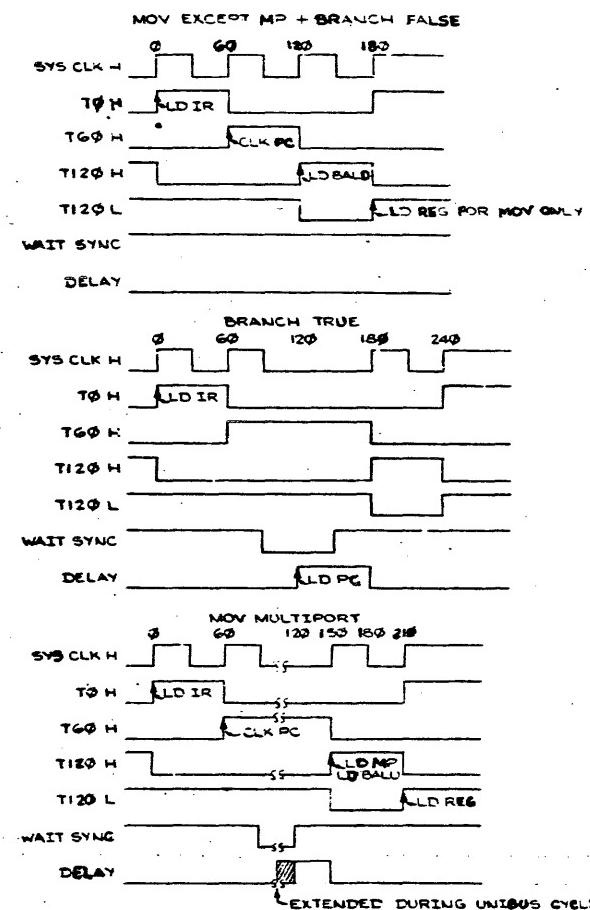
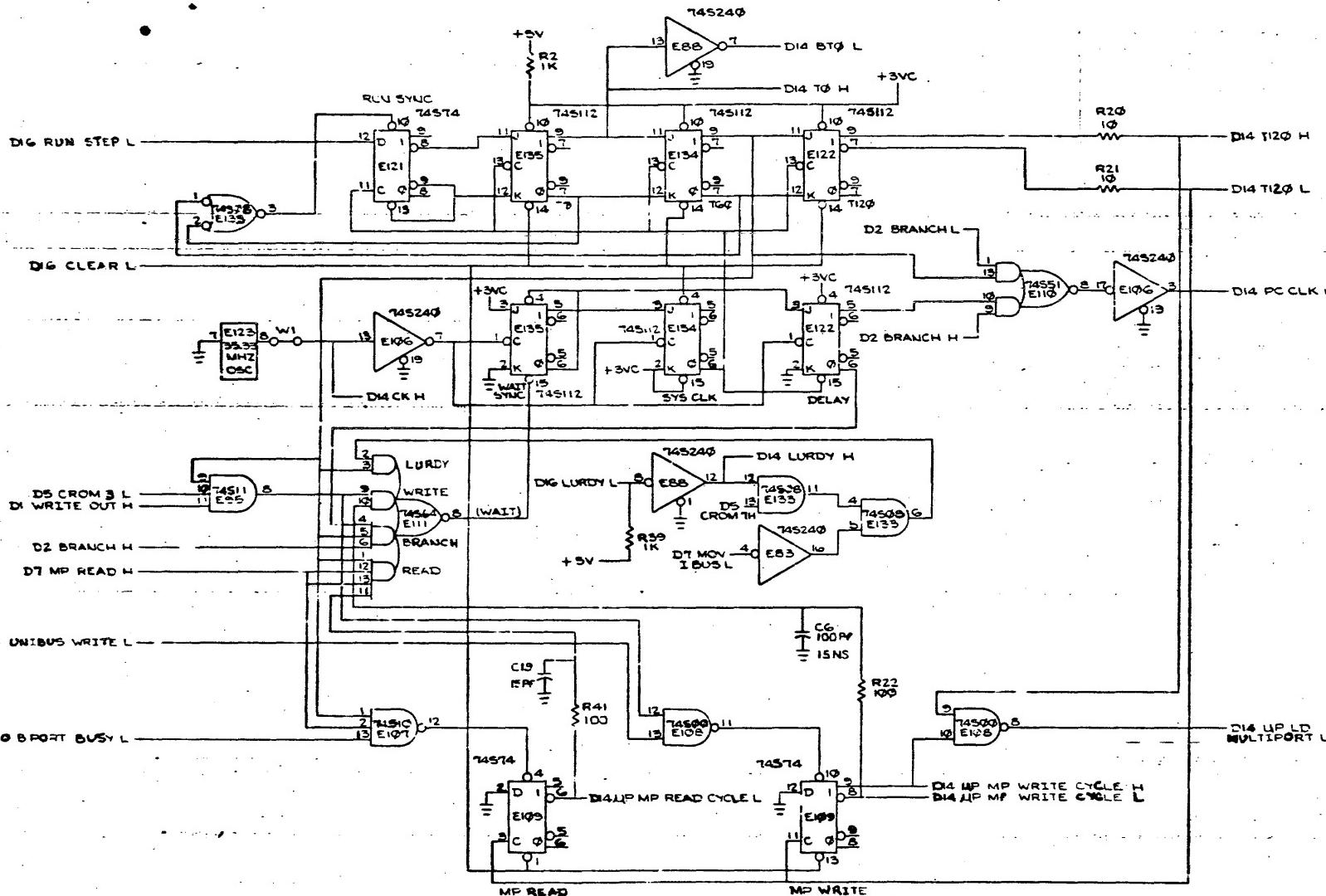
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED, PARTLY OR WHOLE, OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION."
COPYRIGHT © 1975 DIGITAL EQUIPMENT CORPORATION



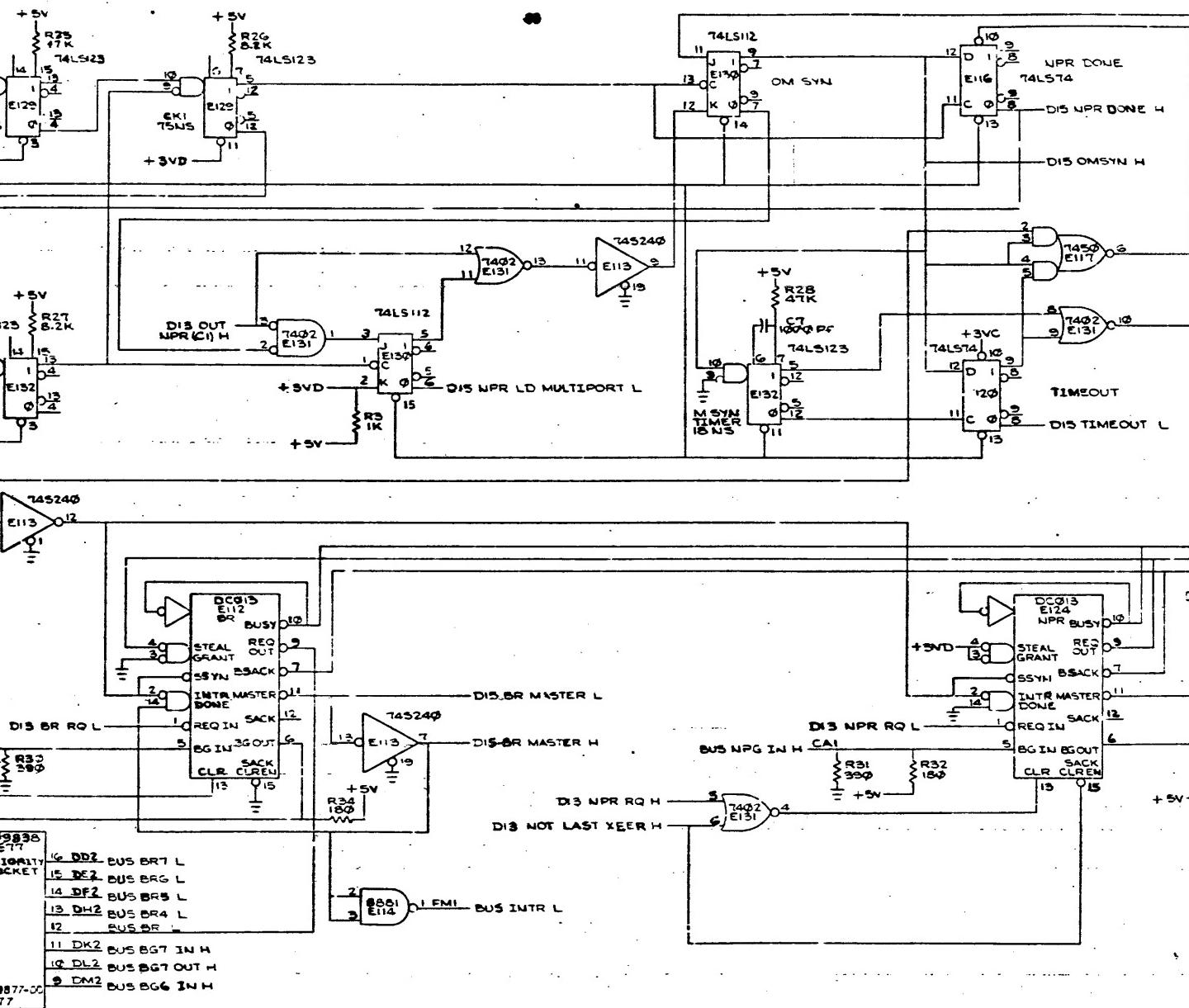
~~PROGRAMS COUNTER REGISTERS,
NPR CONTROL, MP MISC REGISTER~~

DRW-Sub-Group	5	FIRST USED ON	DMP II-HD digital
CHNO		TITLE	
ENG. 11 Rev.	2	DMP II MICROCONTROLLER (D13)	
PROL. ENG.	1		
PROD. 16 Rev.	4		
NEXT HIGHER ASSY:			
B-DC-NSP-202-2	/	SIZE	CODE
SCALE	/	D	CS
SHEET	15 OF 2	NUMBER	
		MB207-0-1	
		REV.	
		L	
		DIST.	

*THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1971 BY DIGITAL EQUIPMENT CORPORATION



SYSTEM CLOCK				
DRL- 5 - 5 - 5		FIRST USED ON		
CHK'D:		DMP1-HAD digital		
ENG.:		TITLE DMP1		
PROL. ENG.		MICROCONTROLLER		
PROD.:		(D14)		
NEXT PUNCH ASSY.				
B-10-11327-2		SIZE	CODE	NUMBER
SCALE		D	NIS	M8207-3-1
SHEET 15 OF 21		DIST.		



INTERRUPT + DPR CONTROL		FIRST USED ON	
DRIVE LINE	ROUTING	CHKT	DMP1-HD digital!
EN1	1	EN2	1
PROT	1	PROG	1
NEXT > HIGH ASSY.			
B-10-220-2		SIZE	CODE
SCALE		NUMBER	REV.
SHEET	OF 2	M8207-3-i	L
REV		DIST	

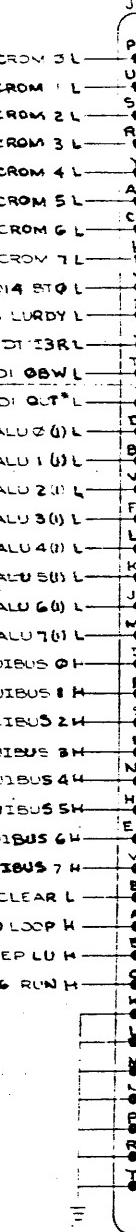
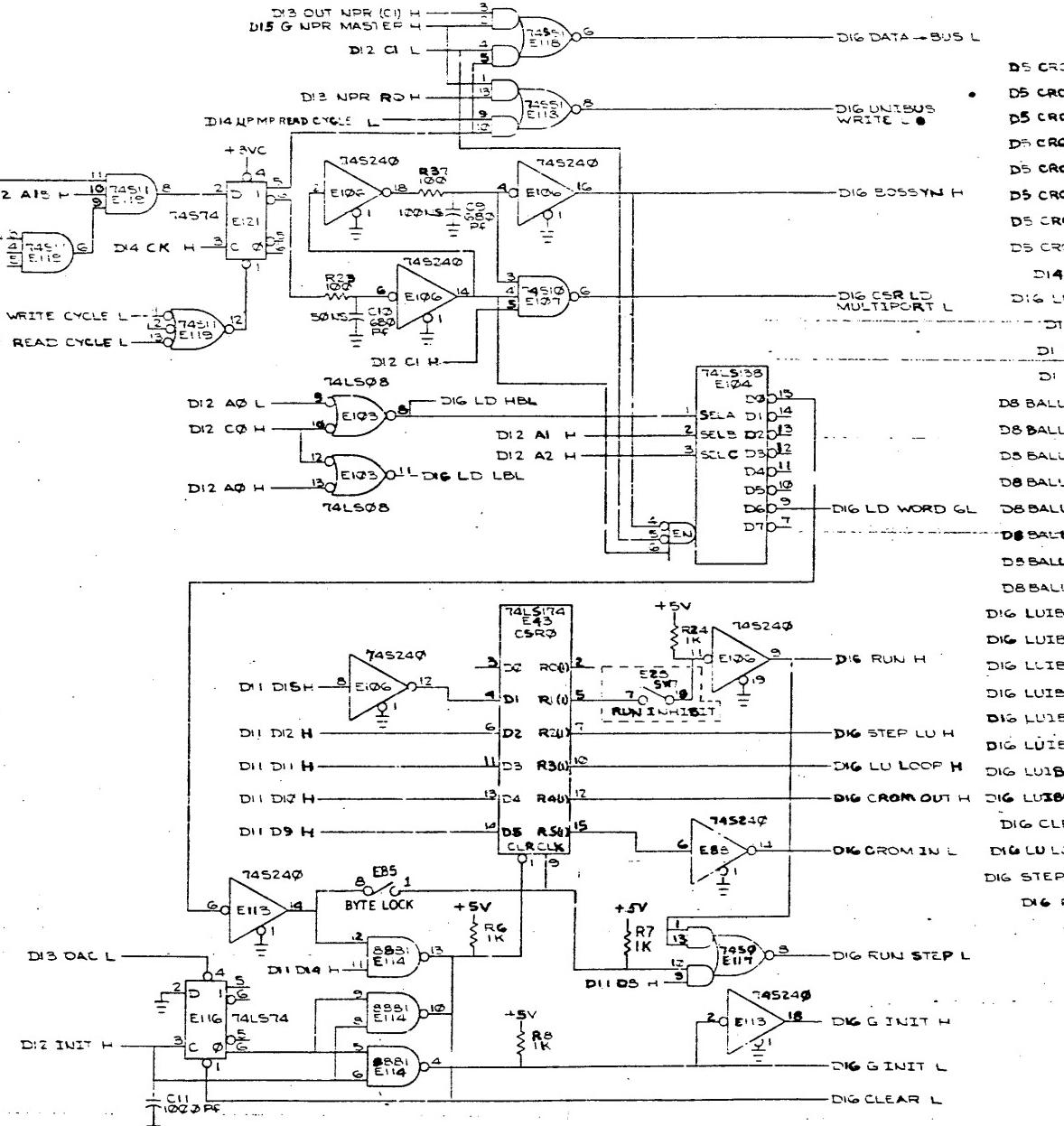
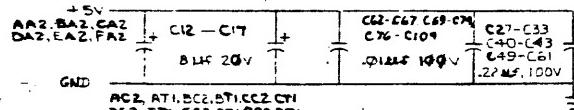
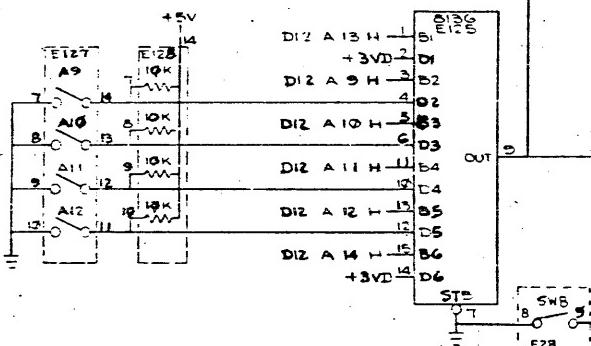
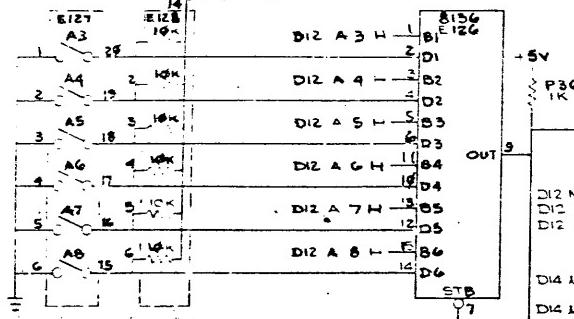
8

6

7

1

THIS DRAWING AND SPECIFICATIONS HERETO ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1971 BY DIGITAL EQUIPMENT CORPORATION



UNIVERSAL CONTROL CARD I/O PORT			
DRW	100-1000		
CHK'D			
ENG.			
PROJ./ENG.	44-2000		
PROD.	1M		
NEXT HIGHER ASSY.			
---	---		
SCALE			
SHEET	18 OF 21		
FIRST USED ON			
BMP-LAD digital			
TITLE			
DNP III			
MICROCONTROLLER			
2'6)			
SIC	CGDE	NUMBER	REV.
D	CS	M8207-0-1	L
DIST			

"THIS DRAWING AND SPECIFICATIONS HERIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT THE WRITTEN PERMISSION.
COPYRIGHT © 1968, DIGITAL EQUIPMENT CORPORATION

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
DB ALU 0 H									1	2							
ALU 1 H	1									2	2						
ALU 2 H	1									2	2						
ALU 3 H	1									2	2						
ALU 4 H	1									2	2						
ALU 5 H										2	2						
ALU 6 H	1									2	2						
ALU 7 H	1									2	2						
BALU 0 (I) H	2	1	1						1			4					
BALU 0 (I) L									2								
BALU 1 (I) H	2	1	1						1			4					
BALU 1 (I) L									2								8
BALU 2 (I) H	2	1	1						1			4					
BALU 2 (I) L									2								MM
BALU 3 (I) H	2	1	1						1			4					
BALU 3 (I) L									2								FF
BALU 4 (I) H	1	2	1						1			4					
BALU 4 (I) L									2								LL
BALU 5 (I) H	1	2	1						1			3					
BALU 5 (I) L									2								KK
BALU 6 (I) H	1	2	1						1			1					
BALU 6 (I) L									2								DD
BALU 7 (I) H	1	2	1						1			2					MM
C (I) H	1	1	1						2								
CLK C H	1								1								
Z (I) H	1	1	1						1								
DS 4B WRITE L												2					
LB WRITE L												2					
MP ADRS A0 H												4					
MP ADRS A1 H												4					
MF DATA 0 H												1					
MF DATA 1 H												1					
MF DATA 2 H												1					
MF DATA 3 H												1					
MF DATA 4 H												1					
MF DATA 5 H												1					
MF DATA 6 H												1					
MF DATA 7 H												1					
MF DATA 8 H												1					
MF DATA 9 H												1					
MF DATA 10 H												1					
MF DATA 11 H												1					
MF DATA 12 H												1					
MF DATA 13 H												1					
MF DATA 14 H												1					
MF DATA 15 H												1					
D10 AFORT 0 H												1	1				
APORT 1 H												1	1				
APORT 2 H												1	1				
APORT 3 H												1	1				
APORT 4 H												1	1				
APORT 5 H												1	1				
APORT 6 H												1	1				

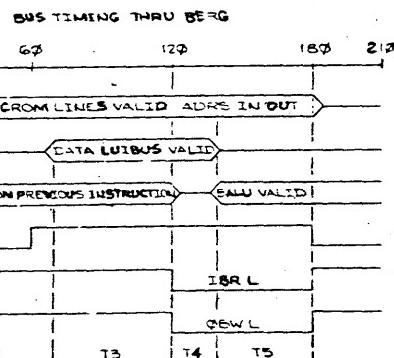
	2	3	4	5	6	T	8	9	10	11	12	13	14	15	16
DIP APORT 7H															
APORT 5H															
APORT 9H															
APORT 10H															
APORT 11H															
APORT 12H															
APORT 13H															
APORT 14H															
APORT 15H															
BPORT 3H															
BPORT 1H															
BPORT 2H															
BPORT 3H															
BPORT 4H															
BPORT 5H															
BPORT 6H															
BPORT 7H															
BPORT 8H															
BPORT 9H															
BPORT 10H															
BPORT 11H															
BPORT 12H															
BPORT 13H															
BPORT 14H															
BPORT 15H															
BPORT 16H															
BPORT BUSY L															
DI1 D0 H															
DI1 I															
D2 H															
D3 I															
D4 I															
D6 I															
D7 I															
D8 I															
D9 I															
D10 I															
D11 I															
D12 I															
D13 I															
D14 I															
D15 H															
DATA BUS 0 L													2		CS
DATA BUS 1 L													2		CS
DATA BUS 2 L													2		CS
DATA BUS 3 L													2		CS
DATA BUS 4 L													2		CS
DATA BUS 5 L													2		CS
DATA BUS 6 L													2		CS
DATA BUS 7 L													2		CS
DATA BUS 8 L													2		CS
DATA BUS 9 L													2		CS
DATA BUS 10 L													2		CS
DATA BUS 11 L													2		CS
DATA BUS 12 L													2		CS
DATA BUS 13 L													2		CS
DATA BUS 14 L													2		CS

REVISIONS		
CHK	CHANGE NO.	REV

"THIS DRAWING AND SPECIFICATIONS HERIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION, AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1971 DIGITAL EQUIPMENT CORPORATION"

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
D13 IN A17 H																	
NON EX MEM H																	
HOT LAST XFER H																	
NPR RQ H															G	1	
KPR RQ L															1	2	
OA16 H															1	1	
OA17 H															1	1	
OAC H															1	3	
OAC L															1	1	
OUT A16 H															2		
OUT A17 H															2		
OUT NPR C0H															1	2	1
TIMER L															1		
VECTOR XX4 H															1	1	
RW H															1		
RJ V L															1		
<u>D14 BT0 L</u>															1	1	V
CK L															2	1	
HP MP READ CYCLE L															2	1	
HP MP WRITE CYCLE H															1	1	
HP MP WRITE CYCLE L															1	2	2
PC CLK H	1	3													1		
T0 H		2	1												3		
T120 H			2												2		
T120 L	2														3		
UP LD MULTIPORT L															1		
LURDY H															2		
<u>DIS BUS BG4 IN H</u>															1	DS	
BUS BG4 OUT H															1	DT	
BUS BG5 IN H															1	DPT	
BUS BG5 OUT H															1	DRT	
BUS EGG IN H															1	DM	
BUS EGG OUT H															1	DN	
BUS BGT IN H															1	DGM	
BUS BGT OUT H															1	DLT	
BUS BR4 L															1	IDM	
BUS BR5 L															1	DF2	
BUS BRG L															1	DEG	
BUS BR7 L															1	EDS	
BUS BUSY L															4	FDD	
BUS NPG IN H															3	CAP	
BUS NPG OUT															2	CBP	
BUS INTR L															1	EM	
BUS NPR L															2	FJ1	
BUS SACK L															2	FT2	
BR MASTER H															5	4	
BR MASTER L															9	1	2
G NPR MASTER H															1	1	2
NPR MASTER L															5	2	
NPR DONE H															1	2	
NPR LD MUL. PORT L															1	1	
OMSYN H															1	6	
TIME OUT L															1	1	
BUS BG OUT H															3	DVA	
NPR MASTER H															3		

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
DIG CLEAR L	2	6		2			4						6	2	6	1				
CROM IN L		3																		
CROM OUT H																				
CSP LD MULTIPORT L																				
BOSSYN H																				2
DATA→BUS L																				2
G INIT L																				2
LD HB L																				2
LD LS L																				1
LD WORD G L																				1
LUBUS Ø X																				1 D
LUBUS 1 H																				1 F
LUBUS 2 H																				1 S
LUBUS 3 H																				1 U
LUBUS 4 H																				1 N
LUBUS 5 H																				1 NH
LUBUS 6 H																				1 EE
LUBUS 7 H																				1 W
LU LOOP H																				2 A
RUN H																				4 C
RUN STEP L																				1 I
STEP LU H																				2 B
UNIBUS WRITE L																2				1
G INIT H																				1 I
LURDY L																	2			1 Z



T1=20NS MAX
T2=50NS MAX
T3=50NS MIN FROM T1~~20~~
T4=20NS MIN FROM T1~~20~~ FOR LUIBUS LINES
T5=40NS MIN FROM T1~~20~~ FOR BALU LINES

REVISIONS

DEC 19
1980

THIS DRAWING AND SPECIFICATIONS HERIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 D.E.C. DIGITAL EQUIPMENT CORPORATION

PROM/ROM
ADRS INPUT PINS

DRC

S RO

E ROM

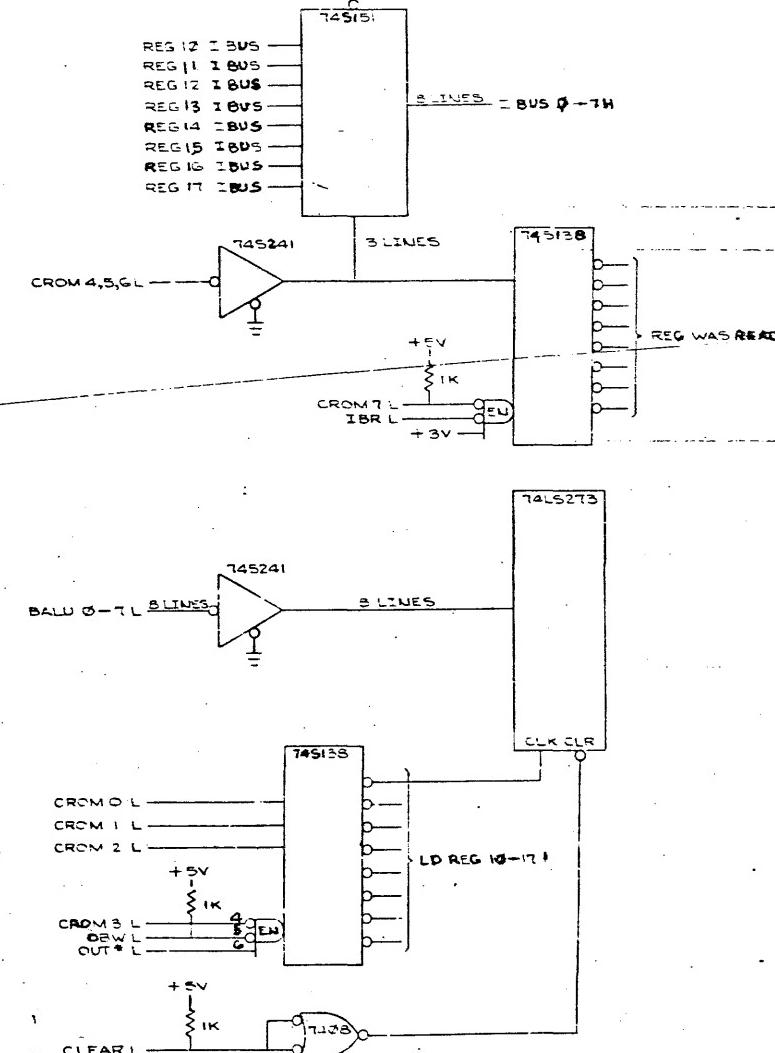
CROM BITS	1	1	1	1	
D ROM	12	11	10	9	8
S ROM	15	14	13	7	4
F ROM	14	7	6	5	4

LD SPH-
LD MEM H-
BRG { SO
SI
INC MARN
LD MAR HIL

PINS	9	10	11	D MUX SP
RG	0	0	0	I
ORG 47-0	0	0	1	LUBUS
PROGRAMMED	0	1	0	MEM
	1	0	0	BRG
	1	0	1	SPORT C
	1	1	0	SPORT C
	1	1	1	NPR CNT
	1	1	1	MF MIS

CK C 4
EN C
FORCE C H
50
51
52
53

RECOMMENDED BERG INTERFACE



DO NOT USE LS CHIPS FOR RECEIVERS

DRN	5000-0000	1	FIRST USED ON	DVP	1/10	digital
CHK'D			TITLE	EMPTI		
ENG			MICROCONTROLLER			
PROJ. FNG.						
PROD.						
NEXT HIGHER ASSY.						
B-1	100-7-	-	SIZE	CODE	NUMBER	REV.
SCA	7	-	D	CS	M8207-0-1	L
SHEET	21	OF 21	DIST			

THIS DRAWING AND SPECIFICATIONS, HERINCL, ARE THE PROPERTY OF XECUTIVE ENGINEERING CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART, OR AS BASIS FOR THE REDESIGNING OR SALE OF EQUIPMENT WITHOUT WRITTEN PERMISSION.

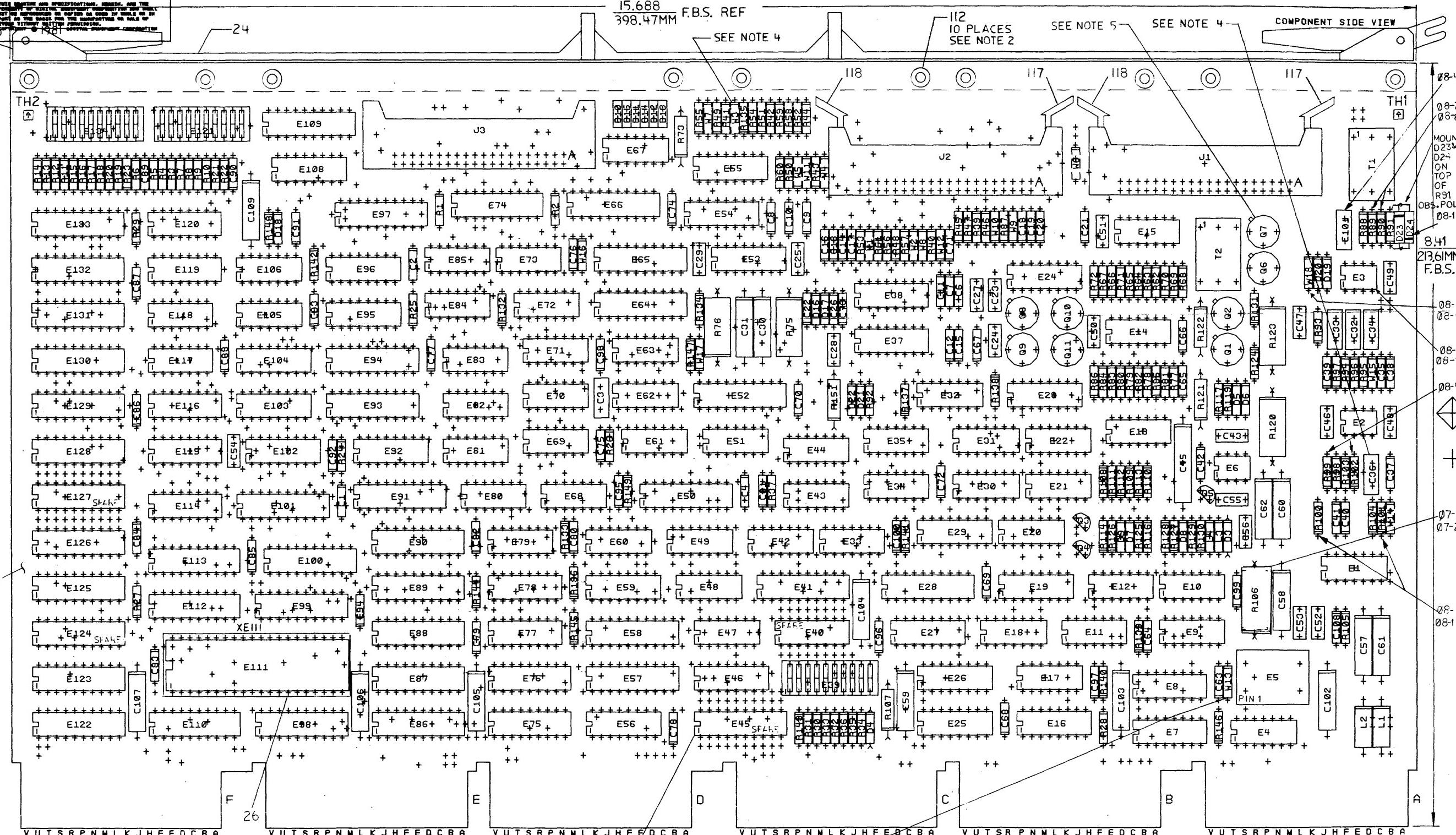
-2

SEE NOTE 4

SEE NO.

5 -

COMPONENT SIDE W



NOTES:

1. E40,E45,E124 & E127 ARE SPARE IC LOCATIONS.
2. DO NOT INSERT EYELETS OVER J3.
3. INSERT W3 (P/N 9009165-00) AFTER GR. TEST.
4. WI-W6,W1,W14-W16 & C36 ARE OPTIONAL LOCATIONS.
5. INSERT ITEM 122 UNDER Q1,Q2,Q36-Q11 (QTY B).

CHG/CHANGE	NO	REV
ORIGINATED		
M62/2/3-MK1/MJ/L		
M82/2/3-MK1/MJ/W		
H. BACKES		
F. BACKES		
M82/2/3-MK1/MJ/N		
H. BACKES		
F. BACKES		

2 SPARE
SEE NOTE 1

SEE NOTE

ETCH REV. F-P2

SIGNATURES	DATE	digital			
DRN.	11-2-1				
CHK'D.	10325				
MECH. ENG.	2-7				
PROJ. ENG.	223-1				
PROD.	2000-0000				
SCALE 1/1	SIZE	CODE	NUMBER	RE	
SHT. 1 OF 2	D	UA	M8203-0-0	!!	
NEXT HIGHER ASSY. B-DD-M8203-0					

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF DIGITAL EQUIPMENT CORPORATION FOR MANUFACTURE OR SALE OF ITEMS CONTAINED THEREIN.
COPYRIGHT © 1981, DIGITAL EQUIPMENT CORPORATION."

DJA M8203-Ø-Ø N

REWORK INSTRUCTIONS

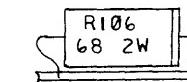
ECO# M8203-MK007 ETCH REV. F:

COMPONENT DELETE:

07-1 REMOVE R106 (P/N 1302382-00, 200, 1W)

COMPONENT ADD:

07-2 ADD R106 (P/N 1302308-00, 68, 2W). SEE DWG:



ECO# M8203-MK008,ETCH REV. F

COMPONENT REMOVAL:

08-1 REMOVE E3 (P/N 1914477-00, LF357, OP. AMP.).

08-2 REMOVE R89 & R90 (P/N 1313598-00, 32.4K, 1%).

08-3 REMOVE R150 (P/N 1300479-00, 10.0K, .25W).

08-4 REMOVE C101 (P/N 1002425-00, 5MMF, 5%).

08-5 REMOVE R99 & R102 (P/N 1300365-00, 1.0K, .25W).

08-6 REMOVE R100 & R101 (P/N 1302124-00, 18.0, .25W).

COMPONENT ADD:

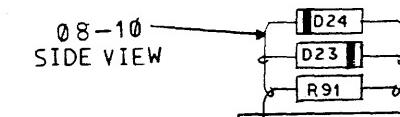
08-7 ADD E3 (P/N 1910375-02, LM318, OP. AMP.).

08-8 ADD R89 & R90 (P/N 1302886-00, 10K, 1%).

08-9 ADD W18 IN PLACE OF R150 (P/N 9009185-00,
JUMPER, INSULATED).

08-10 ADD D23 & D24 ON TOP OF R91 (P/N 1100114-00 D664).

08-11 ADD R100 & R101 (P/N 1300250-00, 150.0, .25W).



SIZE COPY
NUMBER
REV.

C
E
B
A

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE MULTIDROP LINE UNIT
SCALE NONE SHEET 2 OF 2 DIST.
SIZE CODE D UA NUMBER M8203-Ø-Ø REV. N

AUTOMATED BY PRTLST.3L(36)

PARTS LIST

SHEET A1 OF A3

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	1	D-MD-5013292-0-0	5013292-00	DRILL AND ETCH BOARD	1	
2	2		1013466-06	100.0 MMF 50V 5% CER	2	C1,C37
3	3		1013466-18	330.0 MMF 50V 5% CER	1	C2
4	4		1000042-00	1000.0 MMF 100V 5Z200PPM MICA	1	C3
5	5		1013466-30	560.0 MMF 50V 5% CER	1	C4
6	6		1013466-05	56.0 MMF 50V 5% CER	11	C11-C21
7	7		1012784-00	.047 MFD 50V +80-20% CER	41	C22,C26,C63-C100,C108
8	8		1010274-00	.22 MFD 50V +80-20% ZSU CER	18	C23-C25,C27-C29,C43,C46-C56
9	9		1012084-01	.8 MFD 25V +75-10% AL EL	15	C30,C31,C57-C62,C102-C107,C109
10	10		1002424-00	1200.0 MMF 100V 5Z200PPM MICA	3	C32,C33,C34
11	11		1013466-01	10.0 MMF 50V 5% CER	2	C35,C39
12	12	BLANK		*** THIS ITEM IS NOT USED ***	-	
13	13		1013466-07	220.0 MMF 50V 5% CER	1	C38
14	14		1013466-24	47.0 MMF 50V 5% CER	2	C40,C41
15	15		1000075-00	.25 MFD 25V +75-10% AL EL	1	C45
16	16		1013466-12	2200.0 MMF 50V 10% X7R CER	5	C6-C10
17	17		1100114-00	D 664 QS\75PCB PIV= 25V SP	10	D5-D8,D18-L21,D23,D24
18	18		1109943-00	1N 4733A VZ= 5.1 5% 1W Y	1	D3
19	19		1109502-00	1N 4742 VZ= 12.0 10% 1W Y	1	D4
20	20		1104860-00	1N 746A VZ= 3.3 5%	1	D9
21	21		1114136-00	LED 16MA 5V	6	D10-D15
22	22		1102421-00	1N 753A VZ= 6.2 5% .40W P	2	D16,D17
23	23		1209941-02	HEADER 100 40°OS RT ANGLE	3	J1-J3
24	24		1216928-02	HANDLE,MODULE,HEX TWO EJECTORS	1	
25	25		1211164-06	SW,DIP 1P 1A 10POS	3	E39,E121,E134
26	26		1215006-08	SKT,IC 40PIN RIP TIN PLATE	1	XE111
27	27		1300365-00	1.0 K .25 W 5.0 X CC	51	R1-R23,R27-R36,R92,R98,R103, CONT R132-R143,R146-R148 R24-R26,R37,R39-R44
28	28		1300271-00	220.0 .25 W 5.0 % CC	10	
29	29		1303179-00	*** THIS ITEM IS NOT USED ***	-	

REVISION HISTORY		BASIC PART NO:	M8203	DRN:	DON MACKINNON	DATE:	31-AUG-79	DBP	D	I	G	I	T	A	L
ENG! ECO NUMBER		REV	SECTION A OF A					94	Q1PA 82	TITLE					
PA !M8203-MK003A/3B		H	SECTION,VARIATION INDEX	!CHN'D:	NORM LANDRY	DATE:	31-AUG-79								PARTS LIST
RH !M8203-MK004		J	!CAJ 00												MULTIDROP LINE UNIT
RH !M8203-MK005		K	!CBJ												
RH !M8203-MK006		L	!CCJ	!DES,ENG:	PAUL ALDISI	DATE:	15-JAN-80								
FB !M8203-MK007		M	!CDJ												
FB !M8203--MK008		N	!CEJ	!RESP,ENG.:	F.BACKE	DATE:	19-JAN-82								DOCUMENT NUMBER
			!CFJ												
			!CHJ												
			!CJJ												
			!CKJ	!MFG., NG.:	AL DERICK	DATE:	19-JAN-82	K	PL	M8203-0-0					
			!CLJ												
			!CMJ	!ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:					FILE NAME:		EDIT #		
			!CNJ	ID-UA-M8203-0-0		#B-DD-M8203-0					MK0480.PLS		29		

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1982. DIGITAL EQUIPMENT CORPORATION *

MK

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
30	30	1300447-00	4.70 K .25 W 5.0 % CC	9	R56-R61,R87,R104,R105
31	31	BLANK	*** THIS ITEM IS NOT USED ***	-	
32	32	1300432-00	3.0 K .25 W 5.0 % CC	3	R68,R69,R114
33	33	1300247-00	120.0 .25 W 5.0 % CC	6	R70-R72,R144,R145,R149
34	34	1300228-00	100.0 .50 W 5.0 % CC	1	R73
35	35	1300255-00	150.0 1.0 W 5.0 % CC	2	R75,R76
36	36	1313598-00	32.40 K .25 W 1.0 % RN55D-F10	4	R88,R91,R110,R111
37	37	1300347-00	680.0 .50 W 5.0 % CC	1	R151
38	38	1313842-00	48.70 K .25 W 1.0 % RN55D-F10	2	R93,R94
39	39	1302886-00	10.0 K .25 W 1.0 % RN55C-F5	7	R95,R96,R108,R113,R117,R89,R90
40	40	1309418-00	24.30 K .25 W 1.0 % RN55D-F10	1	R97
41	41	1300250-00	150.0 .25 W 5.0 % CC	2	R100,R101
42	42	1302308-00	68.0 2.0 W 5.0 % CC	1	R106
43	43	1302378-00	51.0 .50 W 5.0 % CC	1	R107
44	44	1313077-00	12.80 K .25 W .10% RN55E-B2	2	R109,R112
45	45	1300426-00	2.70 K .25 W 5.0 % CC	1	R116
46	46	1300479-00	10.0 K .25 W 5.0 % CC	2	R125,R130
47	47	1302389-00	4.30 K .25 W 5.0 % CC	2	R119,R124
48	48	1305653-00	22.0 1.0 W10.0 % CC	2	R120,R123
49	49	130016B-00	10.0 .50 W 5.0 % CC	2	R121,R122
50	50	1300444-00	3.90 K .25 W 5.0 % CC	1	R126
51	51	1300496-00	15.0 K .25 W 5.0 % CC	2	R127,R129
52	52	1300391-00	1.50 K .25 W 5.0 % CC	1	R128
53	53	1302466-00	100.0 K .25 W 5.0 % CC	1	R131
54	54	1515018-00	2N 2905A PNP 600MW SI 40 100	1	Q2
55	55	1501881-00	DEC221P NPN 3WC SI 30100	1	Q1
56	56	1509338-00	DEL6531B NPN 310.IW SI 40 90 P	2	Q3,Q4
57	57	1503409-00	DEC6534D PNP 310MW SI 40 90	1	Q5
58	58	1516150-00	VN 35AK FET 50MW	5	Q6-Q11
59	59	1602723-00	1000 UH 10% 125MA	2	L1,L2
60	60	1612946-01	33 UH 10% 260MA	2	L3,L4
61	61	1616045-00	XFMR,PULSE,RATIO 1:1,1500PV	1	T2
62	62	1616303-00	PULSE XFMR,RATIO 1:1:1	1	T1
63	63	1811660-00	OSCILLATOR, XTAL 20.000 MHZ	1	E5
64	64	1914214-00	LS374 FF-D OCTAL EDGE TRIG	13	E86,E88,E109,E122,E123,E125, E126,E128-E133 CONT
65	65	1913462-00	74S240 OCTAL BUFFER,INVERTI	2	E74-E97
66	66	1911675-00	74S138 DECODER/DEMUX 3-8 LIN	3	E59,E108,E119
67	67	1912863-00	LS273 FF-D OCTAL W/CLEAR	6	E58,E66,E87,E90,E91,E94
68	68	1912697-00	LS174 FF-D HEX W/CLEAR	2	E92,E96
69	69	1910534-00	74S04 INVERTER GATE-HEX 1I	1	E17
70	70	1912824-00	LS74 FF-D DUAL,EDGE TRIGG	7	E4,E62,E63,E68,E80,E84,E118
71	71	1912849-00	L161 COUNTER,SYNCHR,4BIT	1	E27
72	72	1913294-00	93S16 COUNTER,SYNCH UP BIN	4	E7,E8,E16,E56
73	73	1910956-00	74S151 MUX 1 OF 8	1	E26
74	74	1912847-00	LS157 MUX 1 OF 2(QUAD)	2	E46,E95
75	75	1910548-00	74S157 MUX 1 OF 2 (QUAD)	1	E120
76	76	1915193-00	LS244 DRIVER,LINE,OCTAL,T	9	E64,E65,E89,E98,E99,E101,E110,

MULTIDROP LINE UNIT

SECTION A OF A

SIZE	CODE	DOCUMENT NUMBER	REV
------	------	-----------------	-----

MK

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
77	77	1912816-00	LS32 OR GATE-QUAD 2IN,POS	4	CONT E112,E113
78	78	1913777-00	LS240 DRIVER,LINE,OCTAL,T	4	E20,E51,E81,E83
79	79	1915125-00	3691 DRIVER,QUAD,EIA RS-	2	E28,E50,E52,E93
80	90	1912742-00	75112 DRIVER,DUAL LINE	1	E37,E53
81	81	1915851-00	26LS31 DRIVER,QUAD,EIA RS	1	E13
82	82	1915694-00	3692 DRIVER,QUAD,EIA RS-4	1	E23
83	83	1915123-02	26LS32-2 RECEIVER,LINE,12K T	3	E24
84	84	1914091-00	3603 RECEIVER,LINE,DUAL	3	E38,E54,E55
85	85	1910550-00	74S171 FF-D HEX	2	E1,E14,E15
86	86	1910544-00	74S74 FF-D DUAL,EDGE TRIGG	7	E77,E78
87	87	1910741-00	7406 INVERTER GATE-HEX 1I	1	E9,E10-E18,E35,E47-E61,E11
88	88	1912805-00	LS08 AND GATE-QUAD 2IN,PO	6	E67
89	89	1912808-00	LS11 AND GATE-TRIPLE 3IN	3	E31,E33,E60,E72,E79,E82
90	90	1912821-00	LS54 A-O-I GATE,3-2-2-3IN	1	E61,E105,E117
91	91	1910536-00	74S10 NAND GATE-TRIPLE 3IN	2	E85
92	92	1912801-00	LS02 NOR-GATE-QUAD 2IN	1	F48,E106
93	93	1910537-00	74S11 AND GATE-TRIPLE 3INP	1	E73
94	94	1910011-00	DEC 7486 X-OR GATE-QUAD 2INPU	1	E49
95	95	1911712-00	74S51 AND-OR GATE-INVERT D	2	E43
96	96	BLANK	*** THIS ITEM IS NOT USED ***	-	E32,E44
97	97	1912850-00	LS164 SHIFT REG. 8BIT SERI	3	E21,E30,E42
98	98	1910735-02	318 OP AMP	3	E2,E6,E3
99	99	1910532-00	74S00 NAND GATE-QUAD 2IN	2	E12,E34
100	100	1910545-00	74S112 FF-JK DUAL,EDGE TRIG	2	E19,E25
101	101	1912803-00	74LS04 INVERTER GATE,HEX	1	E22
102	102	1912853-00	LS175 FF-D QUAD	1	E29
103	103	1912799-00	LS00 NAND-GATE-QUAD 2IN,P	2	E70,E71
104	104	2111188-01	3341-01 64X4 FIFO MEMORY	6	E102-E104,E114-E116
105	105	2112517-01	RECIEVER/TRANSMITTER	1	E111
106	106	23043R1-00	B1-01	1	F41
107	107	23032B1-00	B1-01	1	E100
108	108	23036F1-00	F1-01	1	E76
109	109	23037F1-00	F1-01	1	E75
110	110	23042B1-00	B1-01	1	E57
111	111	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	8	W7-W10,W12,W13,W17,W18
112	112	9000024-01	EYELET,ROLL FLANGE .1210DX .192	10	
113	113	1013466-31	15.0 MMF 50V 5% CER	1	C42
114	114	1301890-00	560.0 .25 W 5.0 % CC	2	R85,R86
115	115	1101938-00	1V 4370A VZ= 2.4 5% .40W	1	D22
116	116	1301422-00	7.50 K .25 W 5.0 % CC	11	R45-R55
117	117	1209941-03	HEADER RT ANGLE LEFT L	2	
118	113	1209941-04	HEA1ER RI ANGLE,RIGHT	2	
119	119	1316115-00	35.70 .25 W 1.0 % RN55D-F10	4	R81-R84
120	120	1316736-00	374.0 .25 W 1.0 % RN55D-F10	4	R77-R80
121	121	1312928-00	51.0 .25 W 5.0 % CC	6	R62-R67
122	122	9007201-00	TRANSIPADS #10253	8	

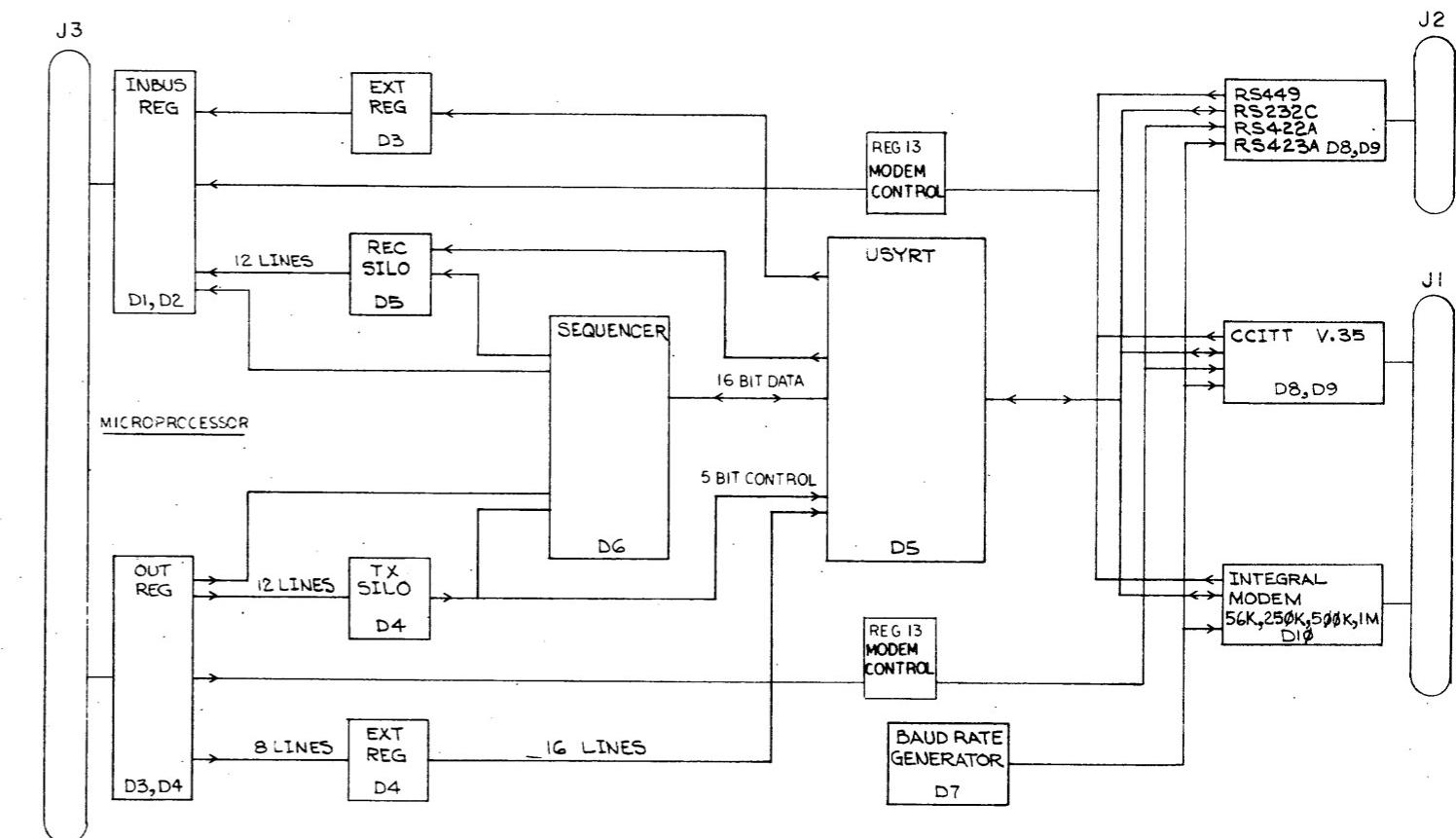
TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
MULTIDROP LINE UNIT			K PL	M8203-0-0	N

MK

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT ©1978, DIGITAL EQUIPMENT CORPORATION"

	WRITE OUT REG	7	6	5	4	3	2	1	0	READ IBUS REG
TRANSMIT DATA SILO										
10		OC				GOA	HABORT	EOM	SOM	
11		IC	BPOLL	LULP						
12		DOLL	DTR	SEL	-CX	MANT	MANT	SEL		
13				FREQ		1	2	STBY		
14		TX	ENA	DISS	RDX	WAX	ENAX	AX2	AX1	
15		***								LOW BYTE EXT REG
16										-1 BYTE EXT REG
17		CRC TYPE	IDLE	SECA	STRIP	RDX	ALL	IERR	DDCMP	
AX0-15										NOT USED
AX0-16										NOT USED
AX1-15										TRANSMIT DATA USYRT
AX1-16										TXGA TXAB TEOMTSOM
AX2-15										SYNC CHARACTER
AX2-16										NOT USED
AX3-15	422 XYZ		V.35	INT	CR32	**EN	0	TEST		
AX3-16	TX CH LENGTH	*	*		REC CH LENGTH					

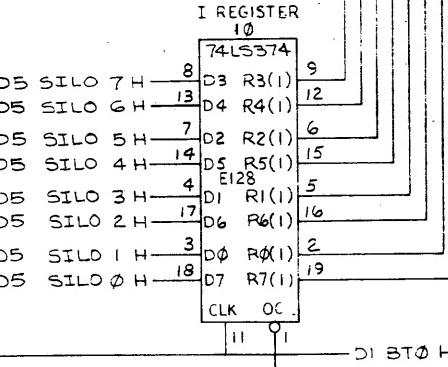
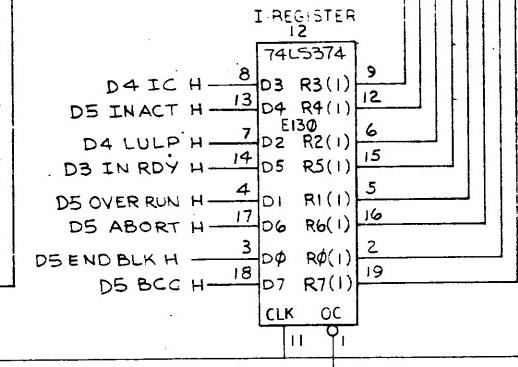
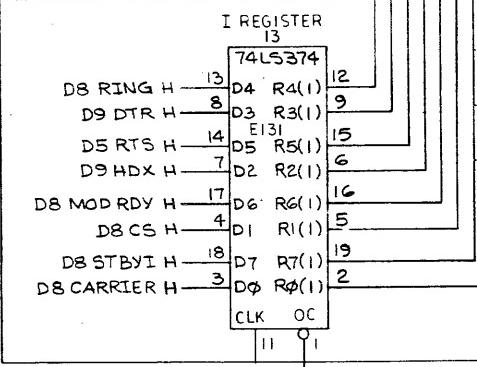
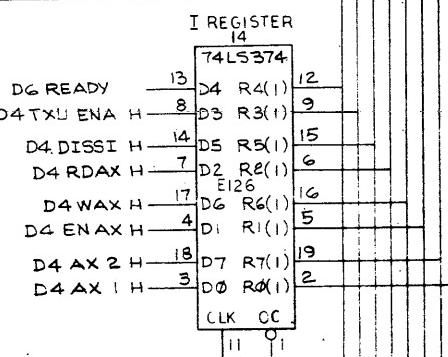
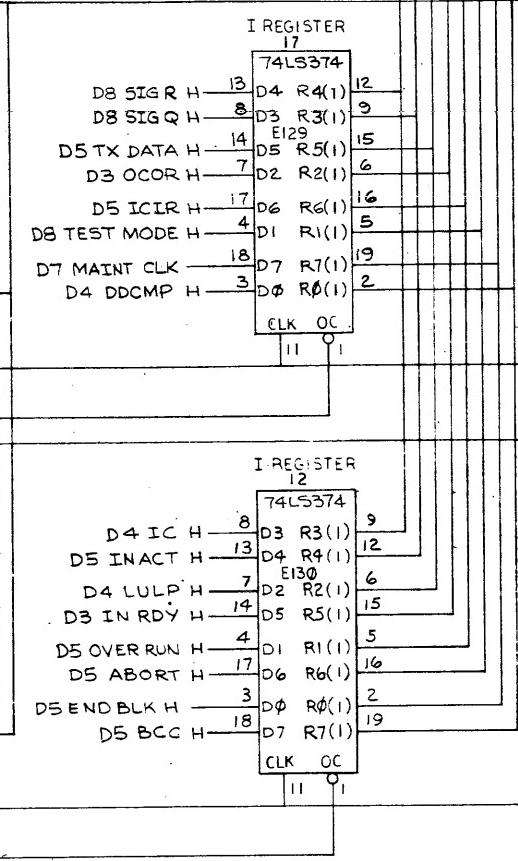
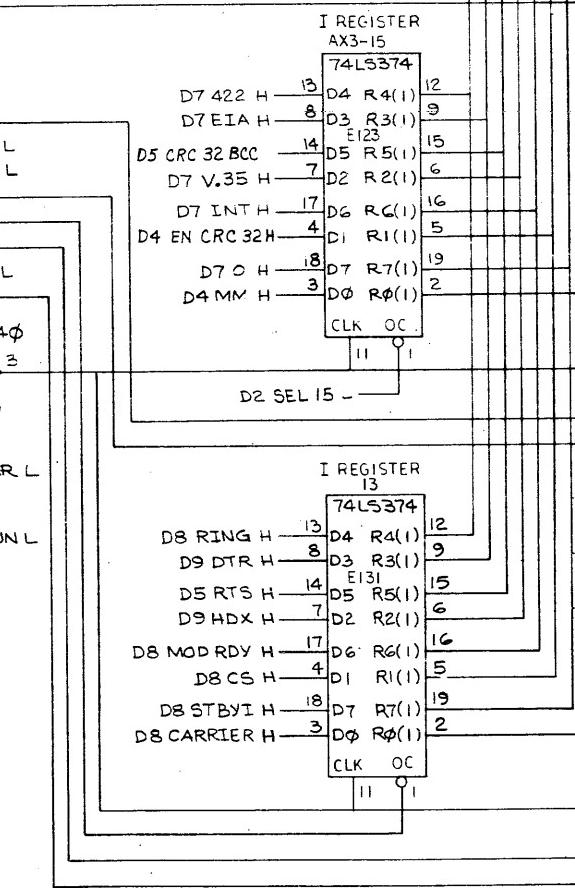
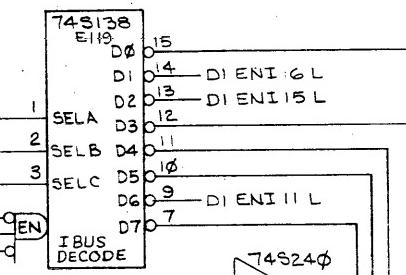
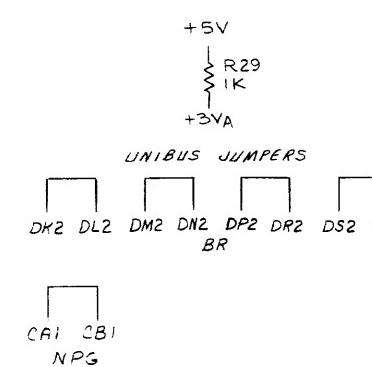
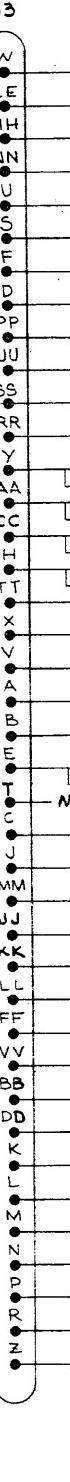
	READ IBUS REG	7	6	5	4	3	2	1	0	RECEIVER DATA SILO
RECEIVER DATA SILO										
OC	OACT	SW	ORDY	SW	SW	SW	SW	UNDR		
IC	IACT	LULP	IRDY	OURR	RAB	EBLK	BCC			
RING DTR	RS	HDX	MODR	CS	STBY	CARR				
RDY	TXU	DISS	RDX	WAX	ENAX	AX2	AX1			
***										SWITCH PACK (X) / LOW BYTE EXT
										SWITCH PACK (Y) / HI BYTE EXT
SIG Q	SIG R	SI	ÓCOR	ICIR	TEST	MODE	ECS	DDCMP		
RECEIVER DATA USYRT										
RERR	BITS ASSEMB	ROR	RAB	REOM	RSOM					
TRANSMIT DATA USYRT										
TERR		TXGA	TXAB	TEOM	TSOM					
SYNC CHARACTER										
APA	DDCMP	STRIP	SECA	IDLE	CRC TYPE					
422 XYZ	CR32	V.35	INT	CR32	**EN	0	TEST			
										TX CH LENGTH *
										REC CH LENGTH



NOTES:

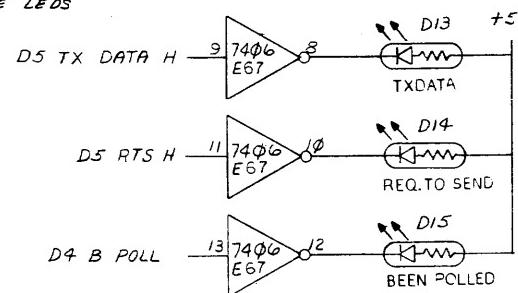
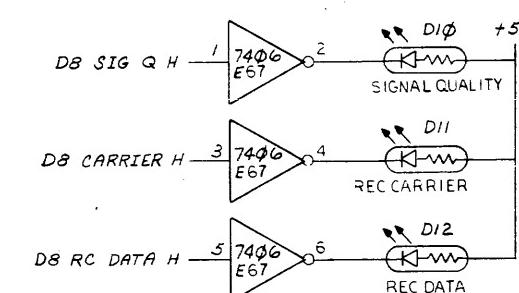
1. AX REGISTERS ARE INDIRECTLY ADDRESSED BY USING AX1+AX2 FOR ADDRESS, WAX FOR WRITE, RDAX FOR READ, REGISTERS 15+16 FOR DATA, ENAX GOING TO A ONE TO START THE OPERATION AND RDY TO TELL WHEN THE OPERATION IS COMPLETE.
2. BIT MAP AS SEEN BY THE KMC11 AND DMC11 MICRO PROCESSORS.
3. *DEFINED DIFFERENT WITH EACH USYRT VENDOR, CHARACTER LENGTH ENABLE WITH STANDARD USYRT.
4. ***OPTIONAL WHEN CRC32 CHIP IS INSTALLED.
5. ***BIT 6 OF REG 14 IS DEFINED DIFFERENTLY DEPENDING ON THE STATE OF BITS:
 - BIT 5=0 BIT 6 WILL LOCK RTS ON
 - BIT 5=1 BIT 6 WITH ENABLE USYRT TRANSMITTER.

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART, OR DISCLOSED TO OTHERS, WITHOUT THE WRITTEN PERMISSION OF THE MANUFACTURER OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1973 DIGITAL EQUIPMENT CORPORATION.



DI BT0 H

DI SEL0 L



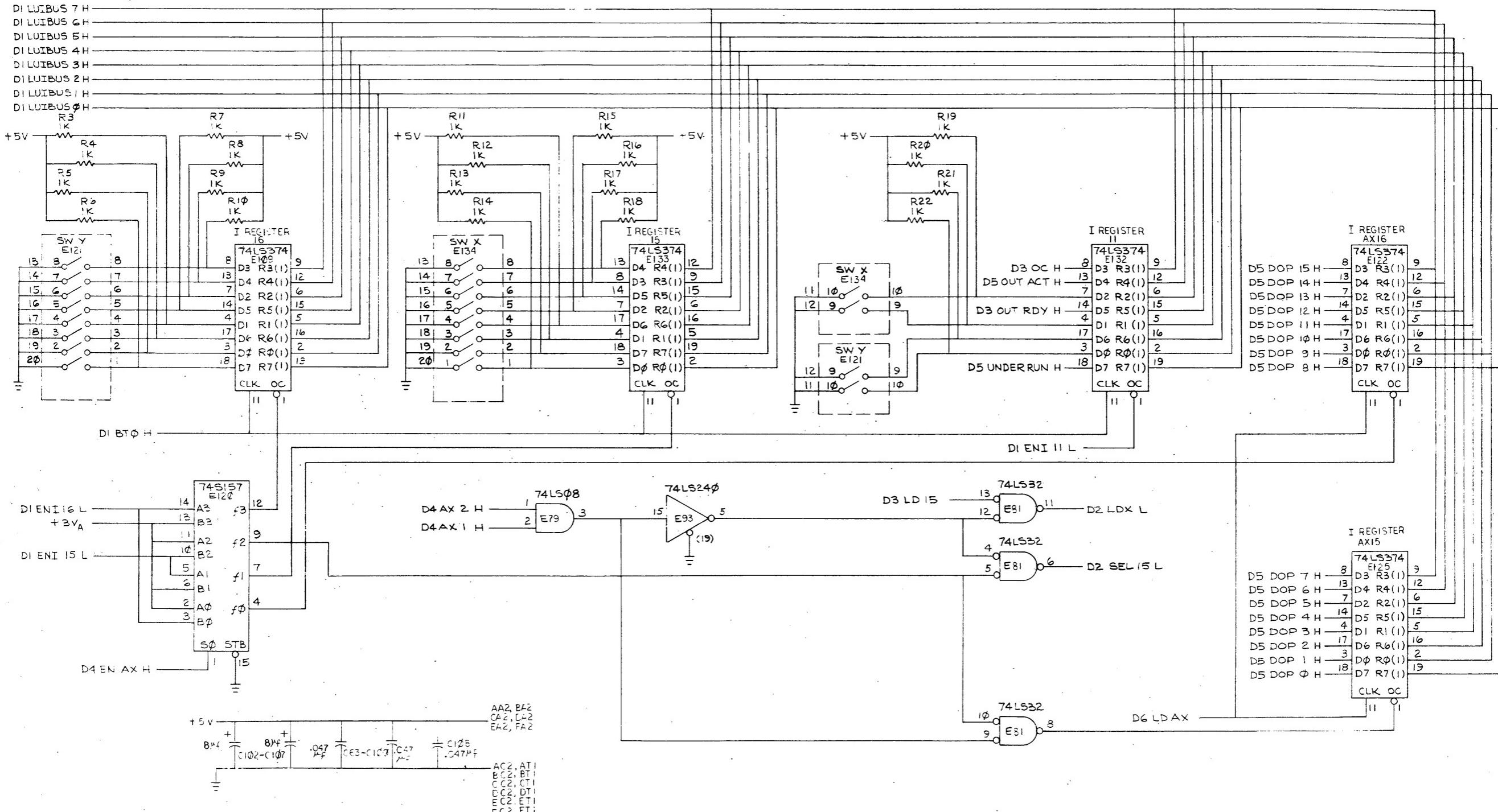
◇ TRISTATE BUS

(INBUS REGISTERS)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE	CODE	NUMBER	REV.
MULTI DROP LINE UNIT	DI	D	CS	M8203-0-1	N
SCALE	1/1	SHEET	5 OF 15	DIST.	

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT, WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION"



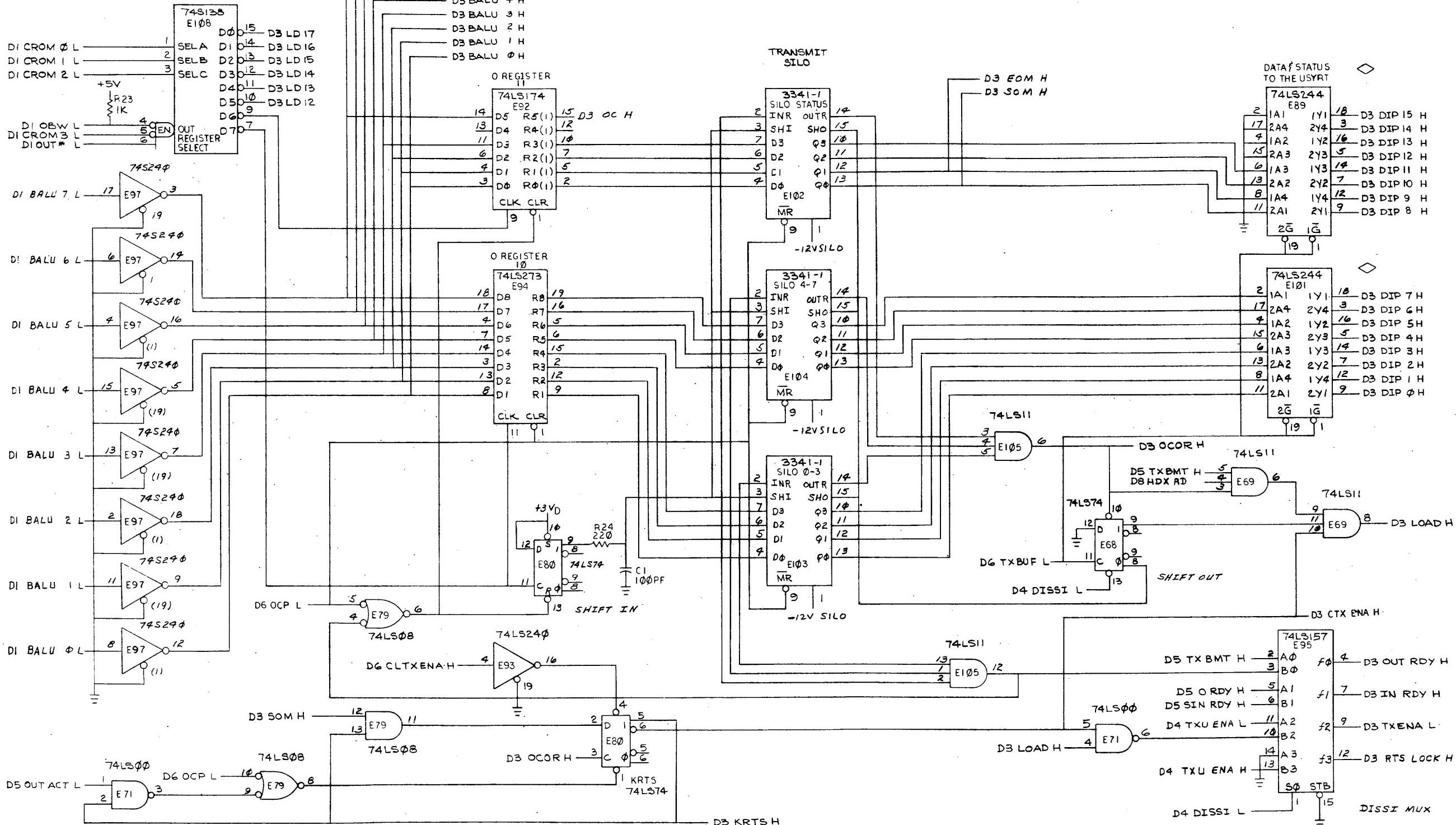
REVISIONS

CHK	CHANGE NO.	REV.

(INBUS REGISTERS)

TITLE	SIZE	CODE	NUMBER	REV.
MULTI DROP LINE UNIT D2	D	DCS	M8203-0-1	N
SCALE	+	SHEET	4 OF 15	DIST.

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART, NOR AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION



REVISIONS

CHK	CHANGE NO.	REV.

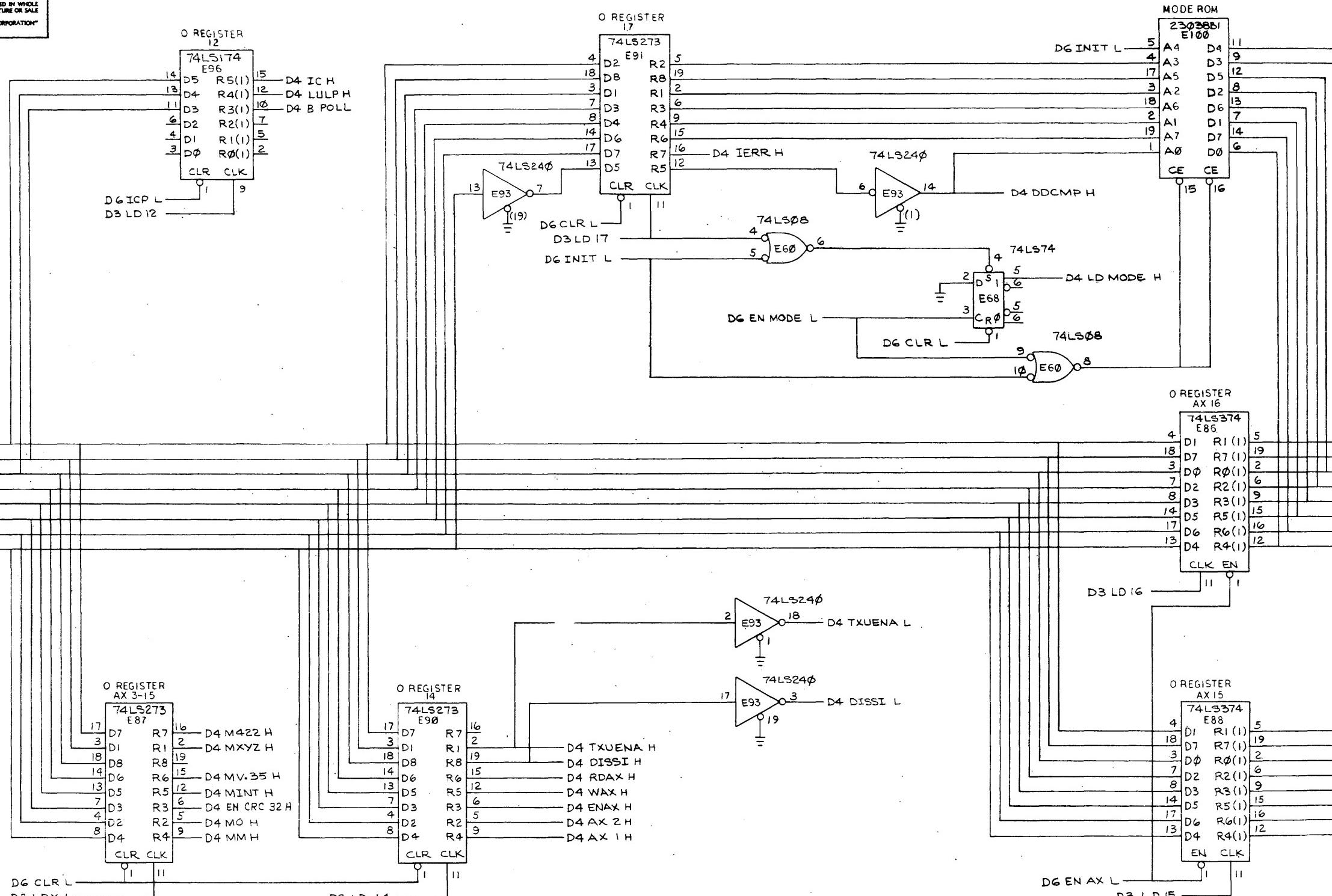
REFERENCE P-2150

(TRANSMIT SILO)

TITLE: MULTI DROP LINE UNIT D3
SIZE CODE: DCS M8203-0-1
NUMBER: N
REV.: N

SCALE: + → SHEET 5 OF 15 DIST. 1

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION



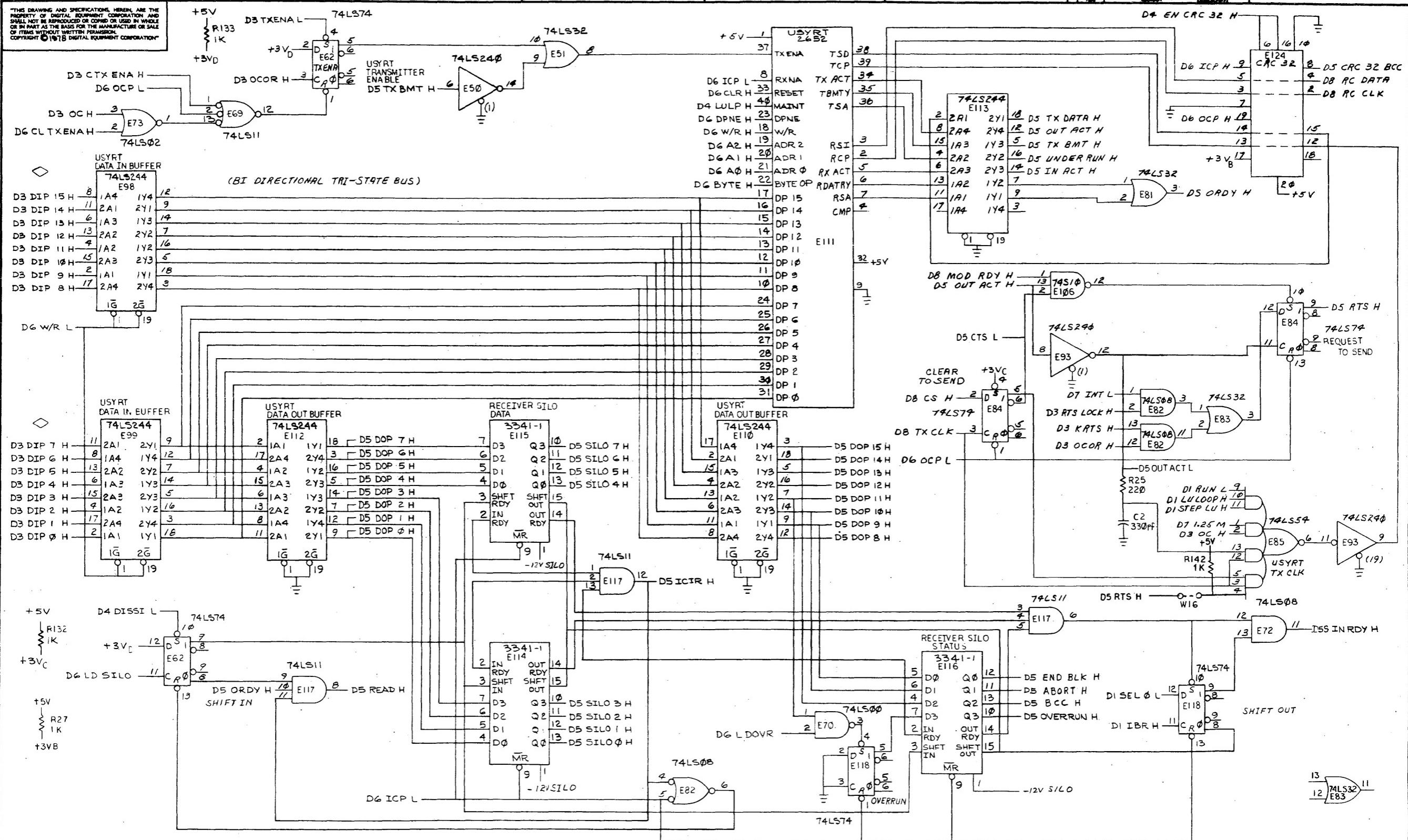
REVISIONS		
CHK	CHANGE NO.	REV.

EXTENDED REG AND MODE

TITLE MULTI DROP LINE UNIT	SIZE CODE D4	NUMBER M82Φ3-Φ-1	REV. N
SCALE 11	SHEET 6 OF 15	DIST.	

8

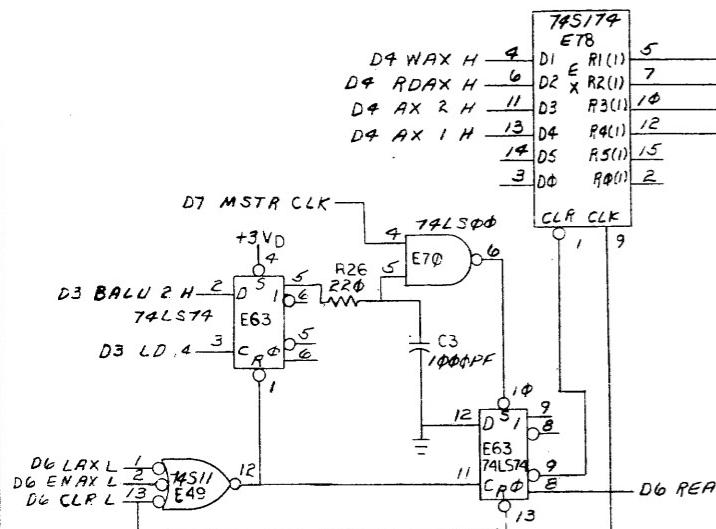
"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE PROPERTY OF DIGITAL EQUIPMENT CORPORATION. SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION



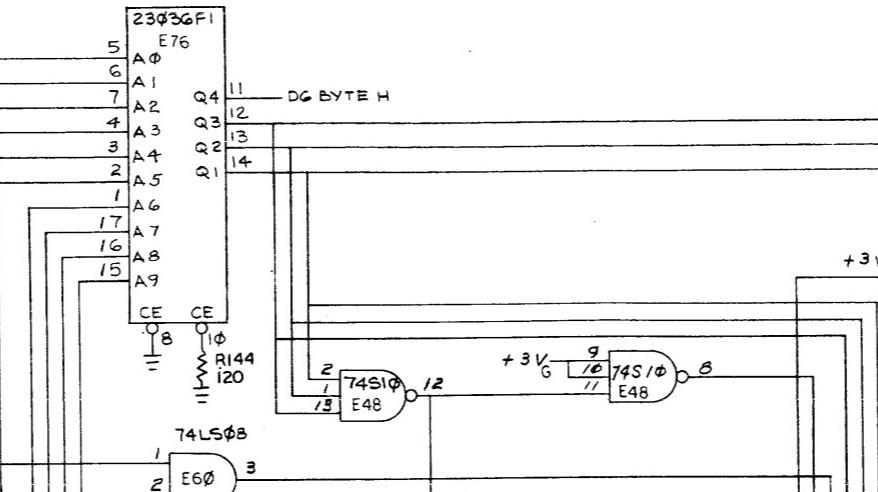
REVISIONS

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION

FUNCTION LATC



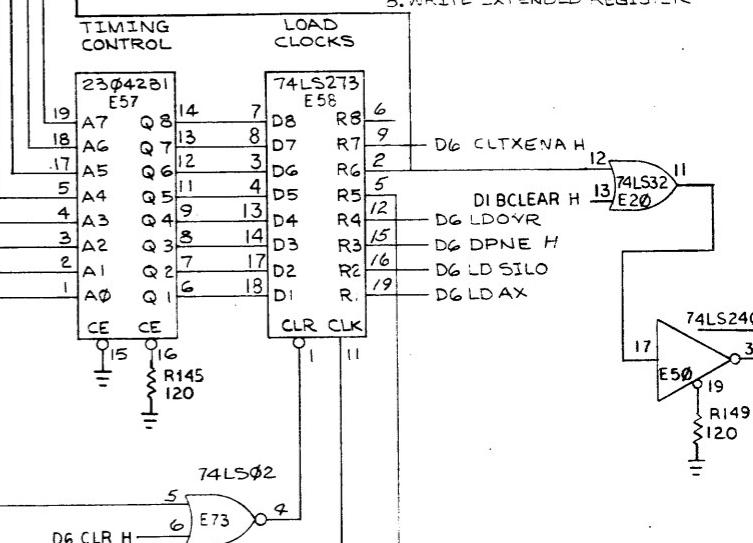
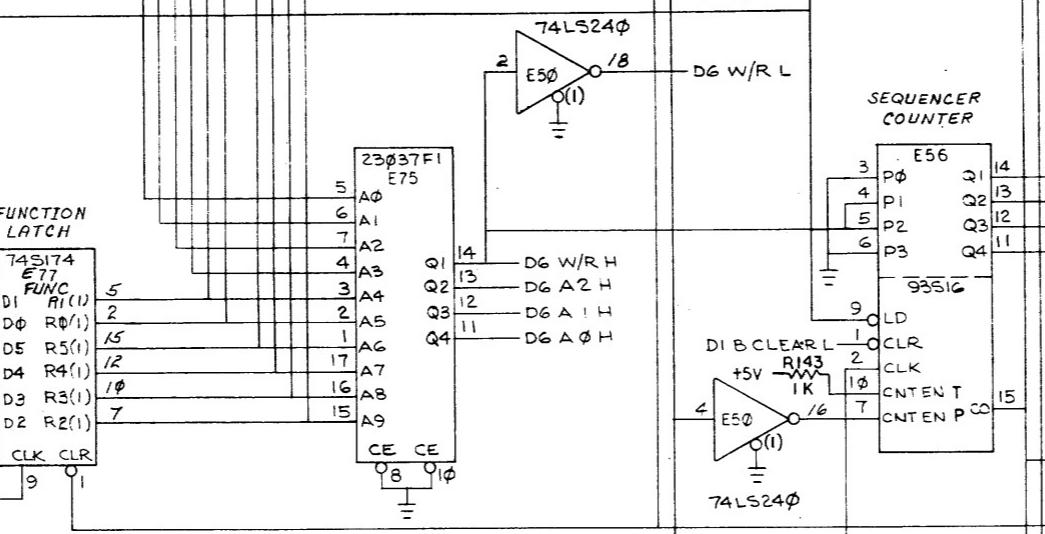
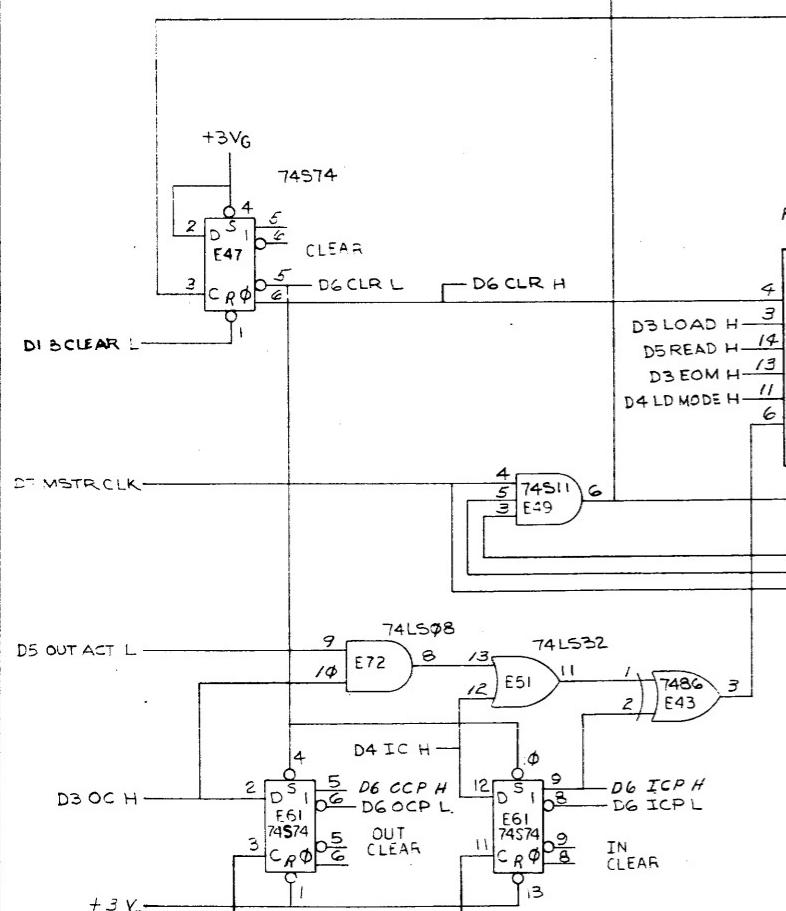
PRIORITY
CONTROL



- SEQUENCER PRIORITY

DONE ON CLEAR {

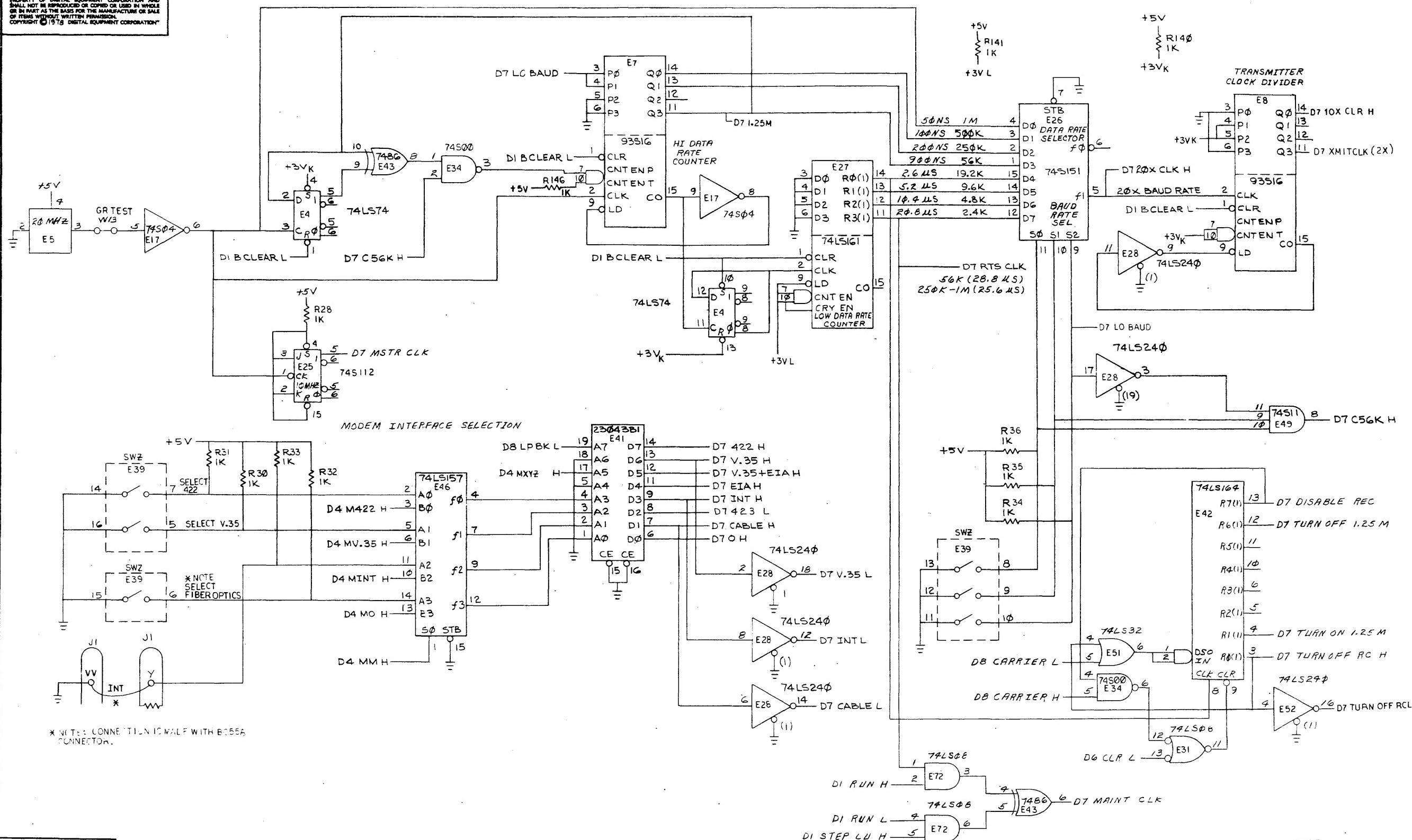
 1. INIT
 2. O/I C
 3. LD MODE
 4. READ DATA
 5. LOAD EDM
 6. LOAD XMIT DATA
 7. READ EXTENDED REGISTER
 8. WRITE EXTENDED REGISTER



The circuit diagram illustrates a series connection of four identical voltage-controlled voltage sources (VCVS). Each source has a gain of +5V and an input resistance of 1K ohm. The outputs of the four sources are summed at a node labeled "Sum".

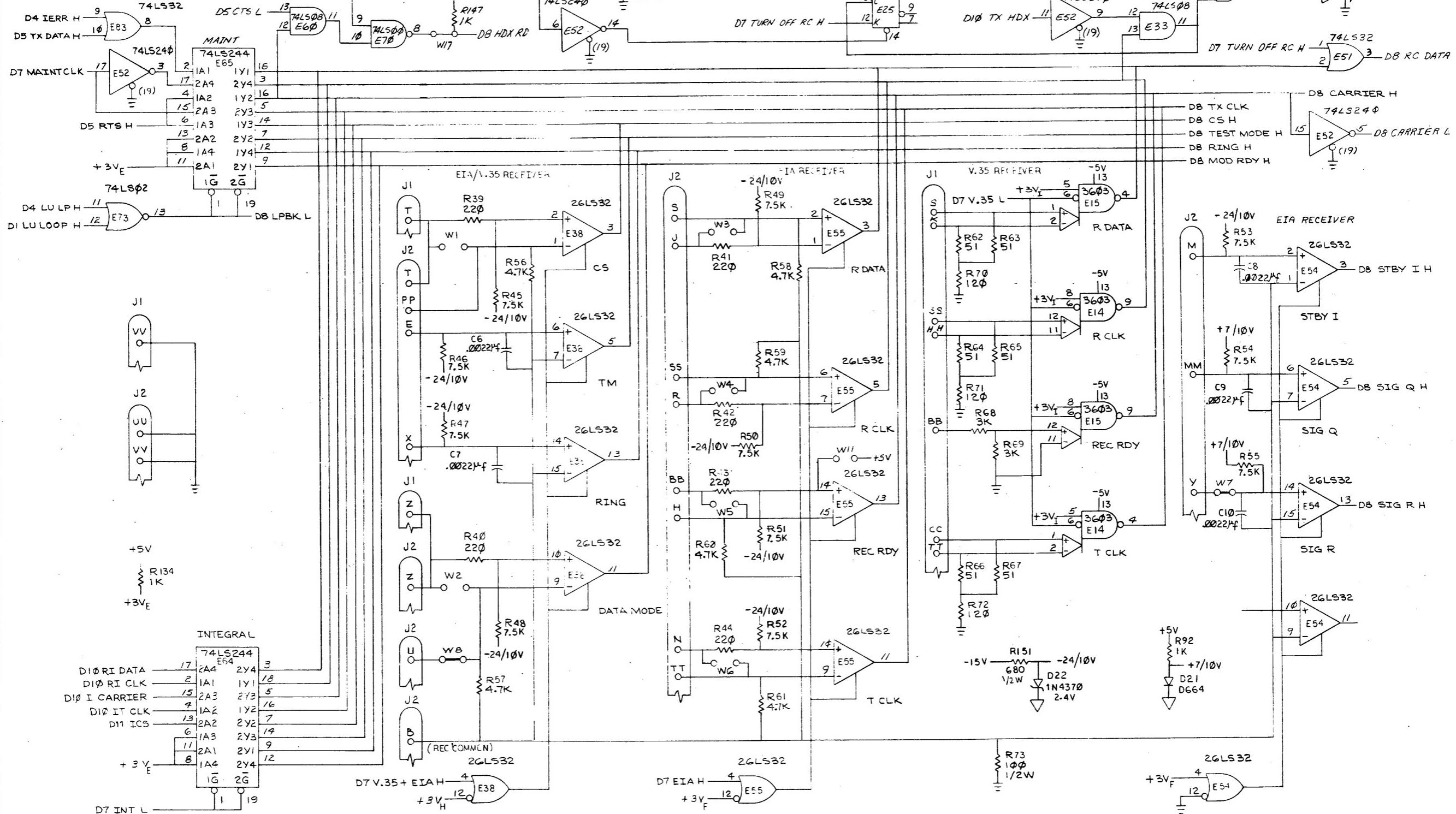
REVISIONS			(SEQUENCER.)									
CHK	CHANGE NO.	REV.										
			MULTI DROP LINE UNIT D6 M&203-0-1									
SCALE + + DIST.												
SHEET 8 OF 15												
REV. N												
NAMEPLATE P-114												
DEC FORM NO. 1												

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION



REVISIONS									DATA RATE GENERATOR				
CHK	CHANGE NO.	REV.											
MULTI DROP LINE UNIT D7													
SCALE		11		SHEET 9 OF 15		DIST.		CODE		NUMBER		REV.	
MATERIAL P-2124		D CS		M8203-0-1				D		N			

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION, AND MAY NOT BE REPRODUCED OR OTHERWISE DISCLOSED, OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1978 DIGITAL EQUIPMENT CORPORATION.



REVISIONS

CHK	CHANGE NO.	REV.

(MODEM INTERFACE RECEIVERS)

TITLE	SIZE	CODE	NUMBER	REV.
MULTI DROP LINE UNIT	D	CS	M8203-0-1	N
SCALE	++	SHEET	10 OF 15	DIST.

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT WHICH PRACTICALLY CONSTITUTES A TRADE SECRET OF DIGITAL EQUIPMENT CORPORATION.
COPYRIGHT © 1976 DIGITAL EQUIPMENT CORPORATION"

D

C

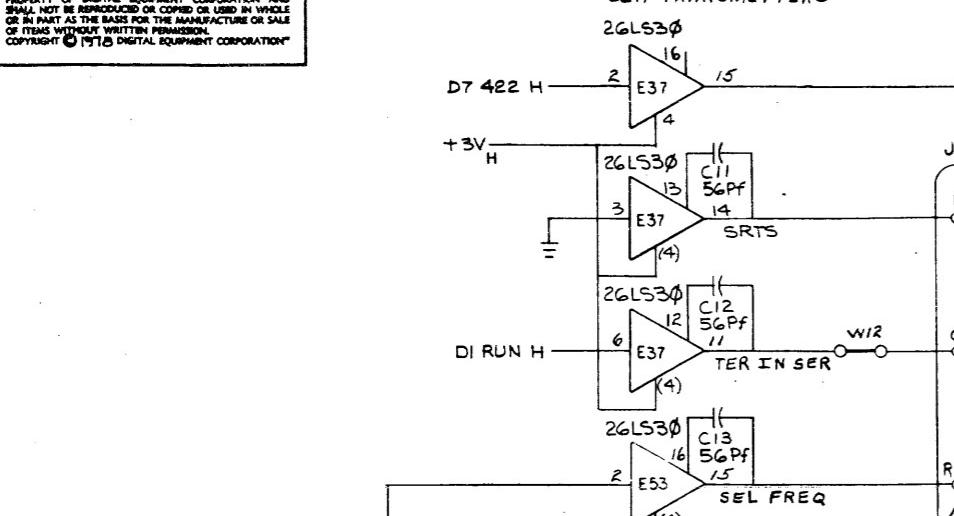
B

A

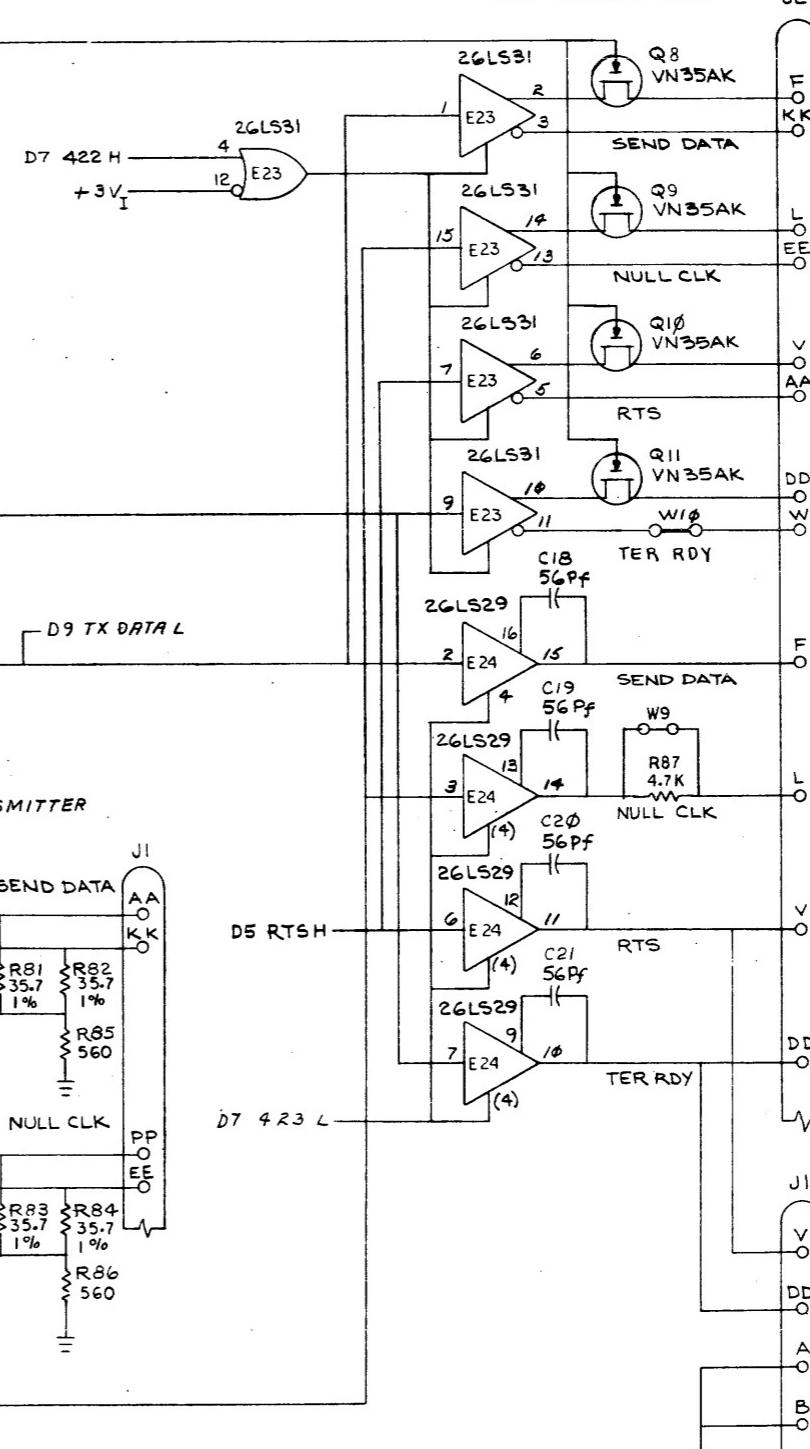
REVISIONS		
CHK	CHANGE NO.	REV.

DEC P/N: 520-100
REV: 100

EIA TRANSMITTERS

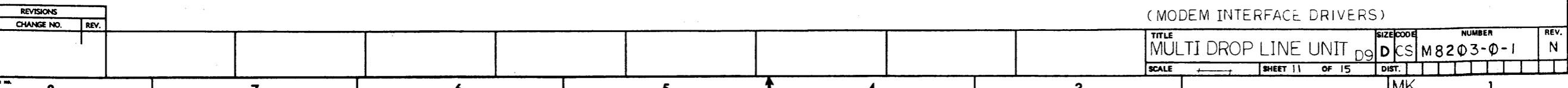
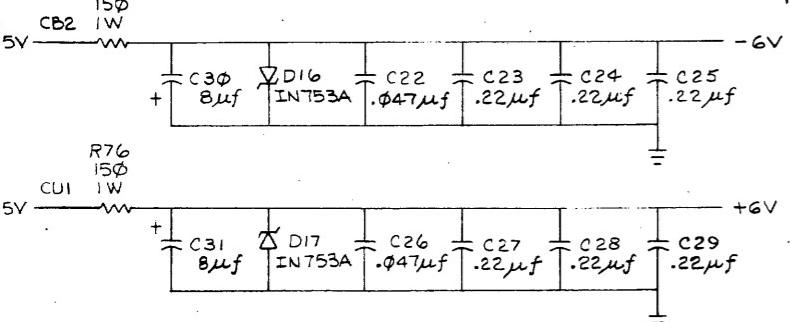
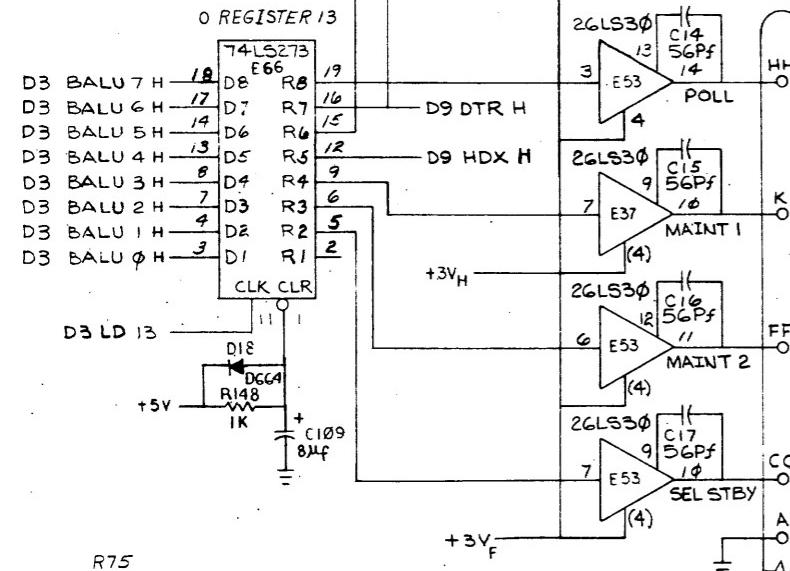


EIA TRANSMITTERS

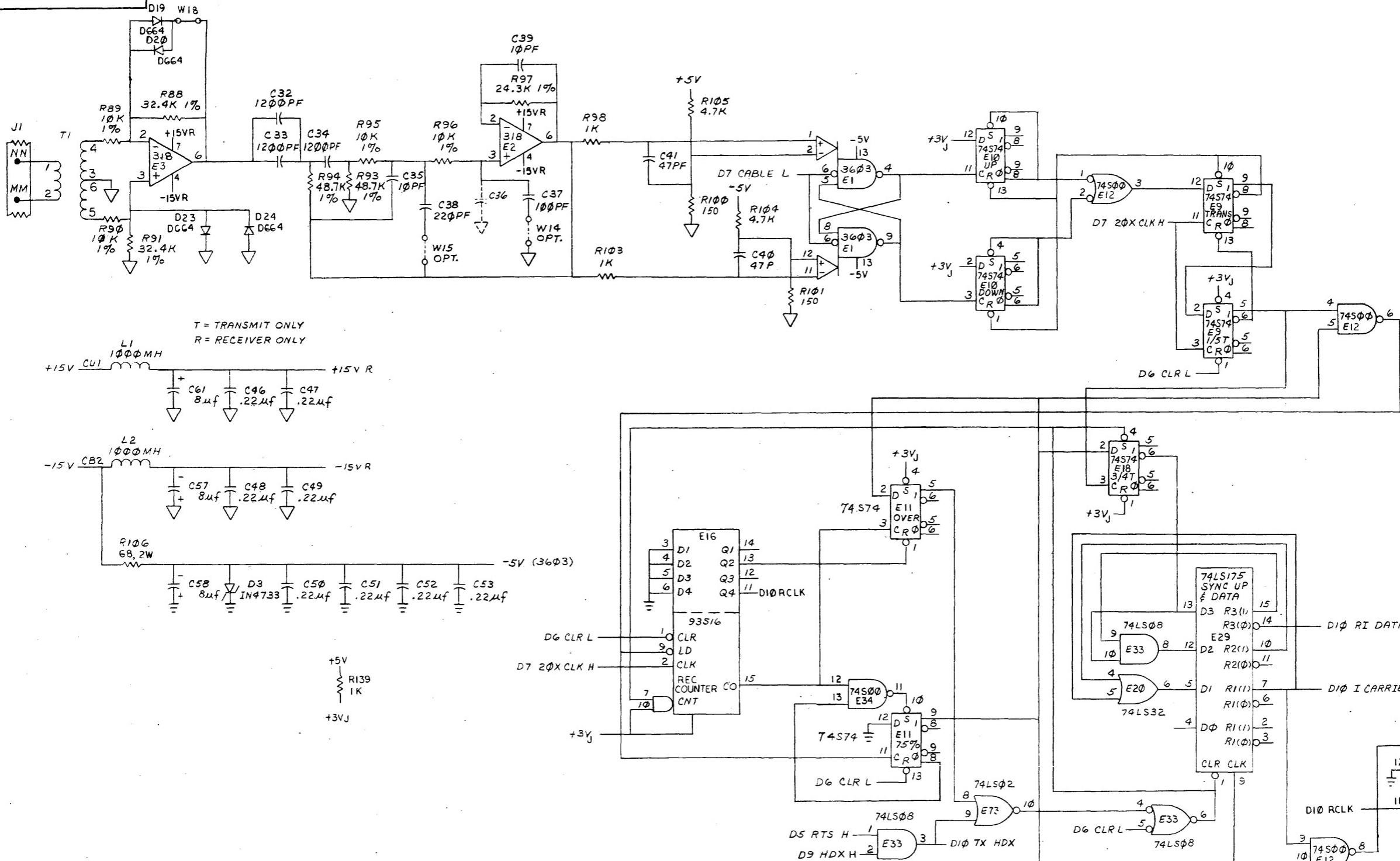


- NOTE:
1. 26LS30 AND 26LS29 USE ± 6V
26LS29 AND 26LS30
+6V PIN 1
-6V PIN 8
GND PIN 5
 2. PINS F, L, V, AND DD OF J2 ARE SHOWN TWICE ON THIS PAGE

26LS30 = 3691
26LS29 = 3692

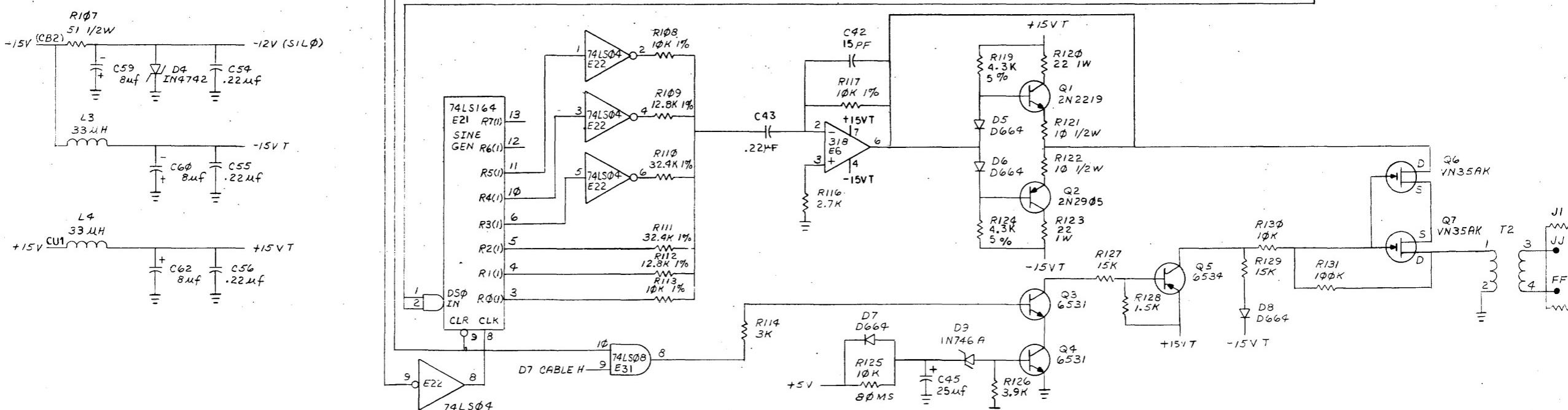
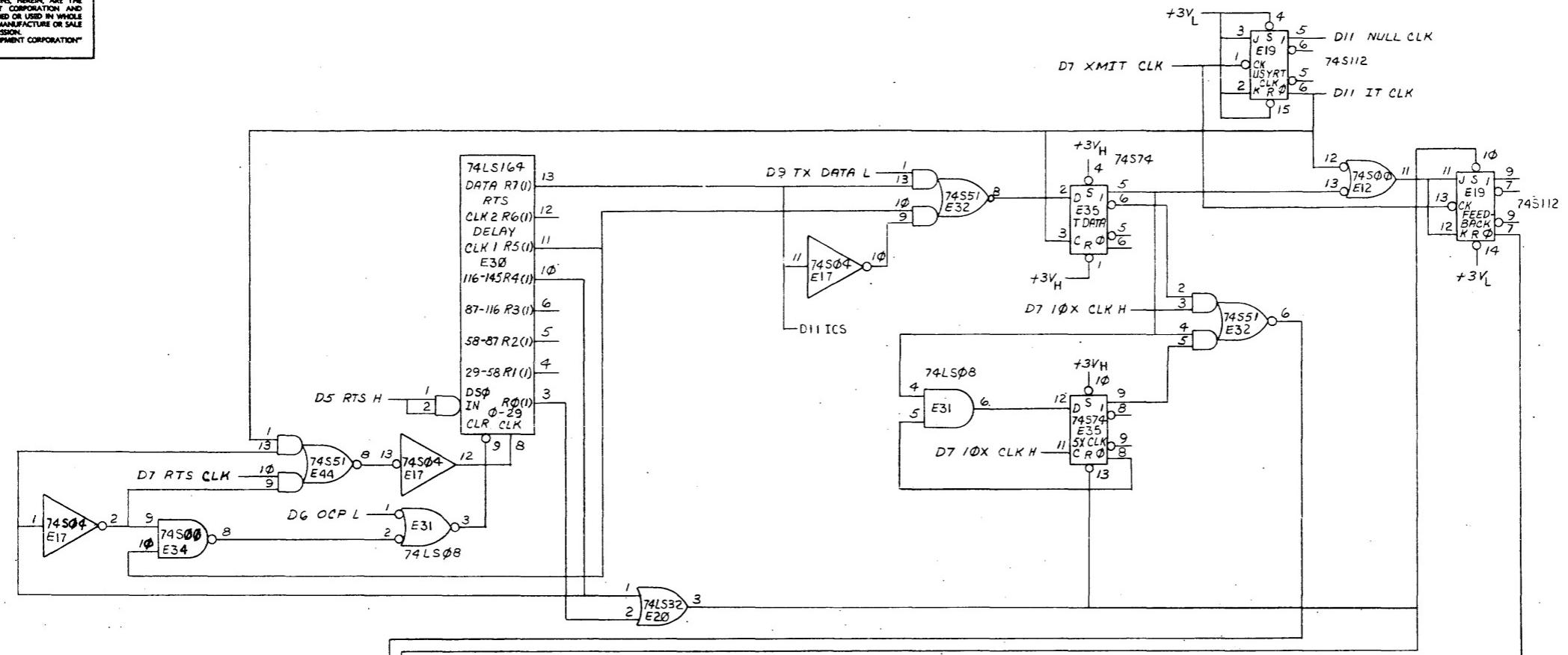


"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION



(INTEGRAL MODEM RECEIVER)

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979 DIGITAL EQUIPMENT CORPORATION



INTEGRAL MODEM TRANSMITTER

REVISIONS			INTEGRAL MODEM TRANSMITTER										
CHK	CHANGE NO.	REV.								TITLE	SIZE CODE	NUMBER	REV.
									MULTI DROP LINE UNIT DII	D CS	M8203-Ø-1	N	
									SCALE	--	SHEET 13 OF 15	DIST.	

D1	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
BALU Ø L	1	1									
BALU 1 L	1	1									
BALU 2 L	1	1									
BALU 3 L	1	1									
BALU 4 L	1	1									
BALU 5 L	1	1									
BALU 6 L	1	1									
BALU 7 L	1	1									
B CLEAR L	1										
BTØ H	7	3									
BTØ L	2										
CROM Ø L	1	1									
CROM 1 L	1	1									
CROM 2 L	1	1									
CROM 3 L	1	1									
CROM 4 L	2										
CROM 5 L	2										
CROM 6 L	2										
CROM 7 L	2										
CLEAR L	3										
ENI 11 L	1	1									
ENI 15 L	1	2									
ENI 16 L	1	2									
IBR H	1										
IBR L	3										
LULOOP H	1		1	1							
LUIBUS Ø H	7	5									
LUIBUS 1 H	7	5									
LUIBUS 2 H	7	5									
LUIBUS 3 H	7	5									
LUIBUS 4 H	7	5									
LUIBUS 5 H	7	5									
LUIBUS 6 H	7	5									
LUIBUS 7 H	7	5									
OBW L	1	2									
OUT* L	1	1									
RUN H	2			1	1						
RUN L	1			1	1						
SEL Ø L	2		1								
STEP LU H	1		1	1							
+3VA	2	4									
B CLEAR H	2		1								

D2	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
LDX L	1	1									
SEL 15 L	1	1									
D3											
BALU Ø H		3	5								
BALU 1 H		3	5								
BALU 2 H		3	5	1							
BALU 3 H		3	5								
BALU 4 H		2	5								
BALU 5 H		2	6								
BALU 6 H		2	6								
BALU 7 H		3	6								
CTX ENA H		3	1								
DIP Ø H		1	1								
DIP 1 H		1	1								
DIP 2 H		1	1								
DIP 3 H		1	1								
DIP 4 H		1	1								
DIP 5 H		1	1								
DIP 6 H		1	1								
DIP 7 H		1	1								
DIP 8 H		1	2	1							
DIP 9 H		1	2	1							
DIP 10 H		1	2	1							
DIP 11 H		1	2	1							
DIP 12 H		1	2	1							
DIP 13 H		1	2	1							
DIP 14 H		1	2	1							
DIP 15 H		1	2	1							
EOM H		2	1								
IN RDY H		1	1								
KRTS H		3	1								
LD 12		1	1								
LD 13		1									
LD 14		1	1	1							
LD 15		1	1	1							
LD 16		1	1								
LD 17		1	2								
LOAD H		2		1							
OC H		1	1	2	2						
OCOR H		1	4	2							
OUT RDY H		1	1								
RTS LOCK H		1	1								
SOM H		3									
TX ENA L		1	1								

D4	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
AX 1 H	1	1									
AX 2 H	1	1									
B POLL	1										
DDCMP H	1										
DISSI H	1										
DISSI L		2	1	1							
EN AX H	1	1									
EN CRC 32 H	1										
IC H	1		1	2							
IERR H		1									
LD MODE H		1	1	1							
LULP H	1	1	1	1							
M422 H											
MINT H											
MM H	1		1	1							
MO H											
MV .35 H											
MXYZ H											
RDAX H	1		1	1							
WAX H	1		1	1							
TXUENA H	1	1	2								
TXUENA L		1	1								
D5											
ABORT H	1										
BCC H		1									
CRC 32 BCC		1									
DOP Ø H		1									
DOP 1 H		1									
DOP 2 H		1									
DOP 3 H		1									
DOP 4 H		1									
DOP 5 H		1									
DOP 6 H		1									
DOP 7 H		1									
DOP 8 H		1									
DOP 9 H		1									
DOP 10 H		1									
DOP 11 H		1									
DOP 12 H		1									
DOP 13 H		1									
DOP 14 H		1									
DOP 15 H		1									
CTS L								2	1		
END BLK H		1						1			
ICIR H			3								
+											

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR ANOTHER DRAWING OR SALE OF IT, WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1979
DIGITAL EQUIPMENT CORPORATION"

D7	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
1.25M				1	4	1					
422 H	1					1	2				
423 L						1	1				
CABLE H						2					1
CABLE L						1	1				
C56K H						2					
DISABLE REC						2					
EIA H	1					1	1				
+3VK						7					
INT H	1					2					
INT L						1	2				
LO BAUD						6					
MAINT CLK	1					1	2				
MSTR CLK						4	1				
						4					
2ΦX CLK H						2	3				
RTS CLK						3		1			
TURN OFF 1.25M						1	1				
TURN OFF RC L						1	1				
TURN OFF RC H						3	1				
TURN ON 1.25M						1	1				
V.35 H	1					2	1				
V.35 L						1	2				
V.35+EIA H						1	1				
XMIT CLK						1		2			
O H	1					1					
+3VL						4		5			
1ΦX CLK H						1		2			
						11					
D8											
CARRIER H	2					1	6				
CARRIER L							1	2			
CE H	1					1	3				
HDX RD						1		1			
LP BK L							1	3			
MOD ROY H	1					1	3				
RC CLK						3	1				
RC DATA	1					1	3	1			
RING H						1		3			
SIG Q H	2						1				
SIG R H	1						1				
STBY I H	1						1				
TEST MODE H	1						3				
TX CLK						3	4				
+3VE							7				
+7/10V							4				
-24/10V							11				

D9	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11
DTR H	1								3		
HDX H	1							1	1		
TX DATA L								3	1		
D10											
I CARRIER								1	3		
+3VJ									7		
RI CLK								1	1		
RI DATA								1	1		
TX HDX								1	2		
R CLK									2		
DII								1	3		
ICS								1	4		
ITCLK								3	1		
NULL CLK											

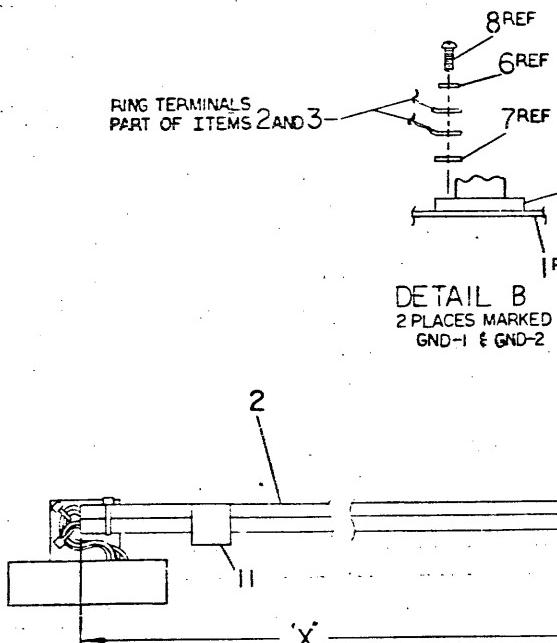
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE			MULTI DROP LINE UNIT		SIZE CODE	D	CS	M8203-Φ-1		NUMBER	N	REV.	
SCALE	+	+	SHEET	15	OF	15	DIST.						

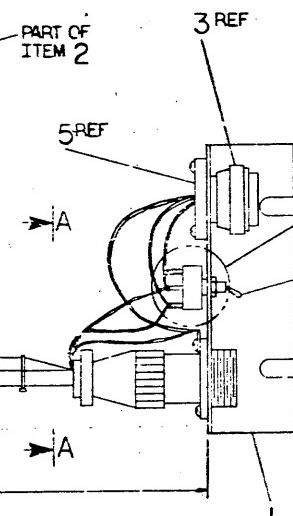
"THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1968, DIGITAL EQUIPMENT CORPORATION

WIRE TABLE

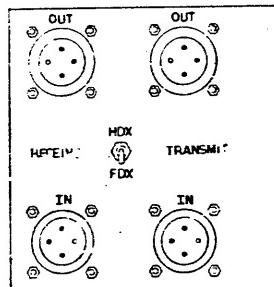
ITEM NO	DESCRIPTION		FROM		TO		REMARKS
	AWG	COLOR	CONN	WITH	CONN	WITH	
2	20	BLU	P2		SI-2	SLDR	
3		BLU	P3				
2		WHT	P2		SI-5	SLDR	
3		WHT	P3				
2		BLK	P2		GND-1	6,7,8	
3		BLK	P3				
2		BLU	P1		SI-1	SLDR	
3		BLU	P4				
2		WHT	P1		SI-4	SLDR	
3		WHT	P4				
2		BLK	P1		GND-2	6,7,8	
3	20	BLK	P4				



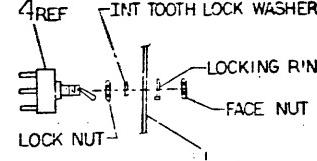
DETAIL B
2 PLACES MARKED
GND-1 & GND-2



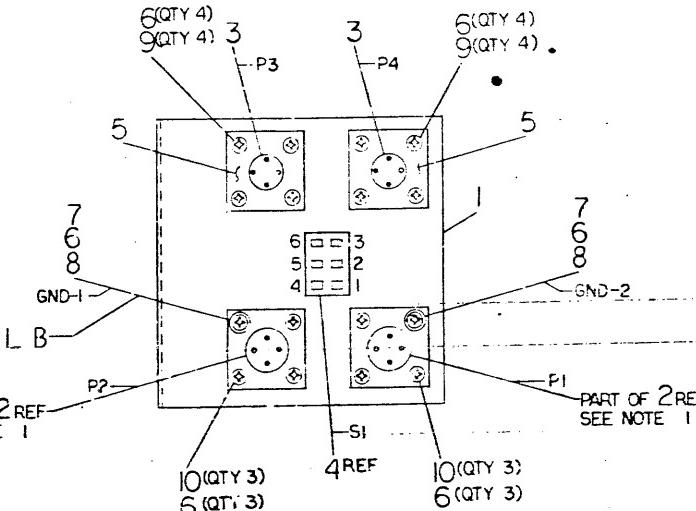
 SEE DETAIL A



VIEW B-B



DETAIL A
HARDWARE SUPPLIED WITH ITEM 4



VIEW A-A

4. INSTALL P1 END OF MALE HARNESS(ITEM 2) INTO HOLE MARKED P1 ON PANEL(ITEM 1) LIKEWISE INSTALL P2 END OF HARNESS INTO HOLE MARKED P2 ON PANEL.

LEGEND

NUMBER	DIM X VARIATION	METRIC
BC55A-10	9FT 10IN +6IN	3 METERS

CAUTION: OFF SHEET PARTS LIST REFER
TO K-PL-BC55A-0-1

			DESCRIPTION	Dwg Part No.						Item No.		
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES									
			ANGLES 50° 30'	CLASS OF ACCURACY	NOMINAL DIMNS./GW RANGE INCHES							
			SURFACE QUALITY IN	I CHECK ONE:	OVER	OVER	OVER	OVER	OVER	OVER	OVER	
					.025	.025	.025	.025	.025	.025	.025	
			MICRONINCHES /	MEDIUM	.004 .000 .012 .016 .024 .040						.070 .100 .120 .150 .200 .400	
				PREFERRED	.012 .015 .025 .04 .060 .101						.015 .020 .030 .040 .060 .100	
QUANTITY & VARIATION					FIRST US'D ON						DMP11-AC	
E PROJECTION			URS	WHT	TITLE						digit(s)	
			CHK D	16575								
			ENG	6								
			PROJ. ENG	1								
			PROD.	1								
MOVE BURRS AND BREAK SHARP CORNERS			NEXT HIGHER ASSY	B-20-BC55A-0	SIZE	CODE	NUMBER				REV.	
PARTS LIST			SCALE	1	D	U/A	BC55A-0-0				A	
			1 SHEET	OF 1	DIST.							

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1	D-IA-7421935-0-0	7421935-0 BC55A PANEL	1
2	2	D-IA-7017241-0-0	7017241-00 MALE HARNESS FOR BC55A-10	1
3	3	C-IA-7017242-0-0	7017242-00 FEMALE HARNESS FOR BC55A-10	2
4	4		1209592-00 SW,TOG "2P" SA ON/NONE/DN	1
5	5		1216949-00 CONN,PLUG MOUNT FOR 12-1	2
6	6		9006632-00 WASHER,LOCK,INT.,.26000 X .120ID	16
7	7		9006655-00 WASHER, FLAT, .312 O.D. X .125 I	2
8	8		9006010-01 SCREW,PAN,PHIL 4-40X 5/16 SS	2
9	9		9008301-01 SCREW,PAN,PHIL 4-40X 1/4 SS	8
10	10		9008032-01 SCREW,PAN,PHIL 4-40X 3/16 SS	6
11	11		3616073-00 LABEL,CABLE IDENTIFICATION	1

REVISION HISTORY		BASIC PART NO:	BC55A	DRN:	M DUGGAN	DATE:	25-SEP-79	DBP	L	I	G	I	T	A	I	L
ENG	ECO NUMBER	REV	SECTION A OF A		CHK'D:	J FALKOWSKI	DATE:	25-SEP-79	TITLE	PARTS LIST						
IPC	BC55A-MK001	*	SECTION. VARIATION INDEX		DES.ENG.:	P ALOISI	DATE:	25-SEP-79	BC55A PANEL ASSY							
		A	CAJ 10		RESP.ENG.:	P ALOISI	DATE:	25-SEP-79	DOCUMENT NUMBER							
			CBJ		MFG.ENG.:	G ARMBRUSTER	DATE:	25-SEP-79	K PL BC55A-0-0	SIZE	CODE	NUMBER	REV			
			CDJ		ASSEMBLY NUMBER:	ID-U-A-BC55A-0-0	TOP DOCUMENT NUMBER:	1B-DD-BC55A-0-0	FILE NAME:	EDIT #						
			CEJ						MK0261.PLS						5	
			CFJ													

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION *

MK

8

WIRE TABLE

6

1

4

2

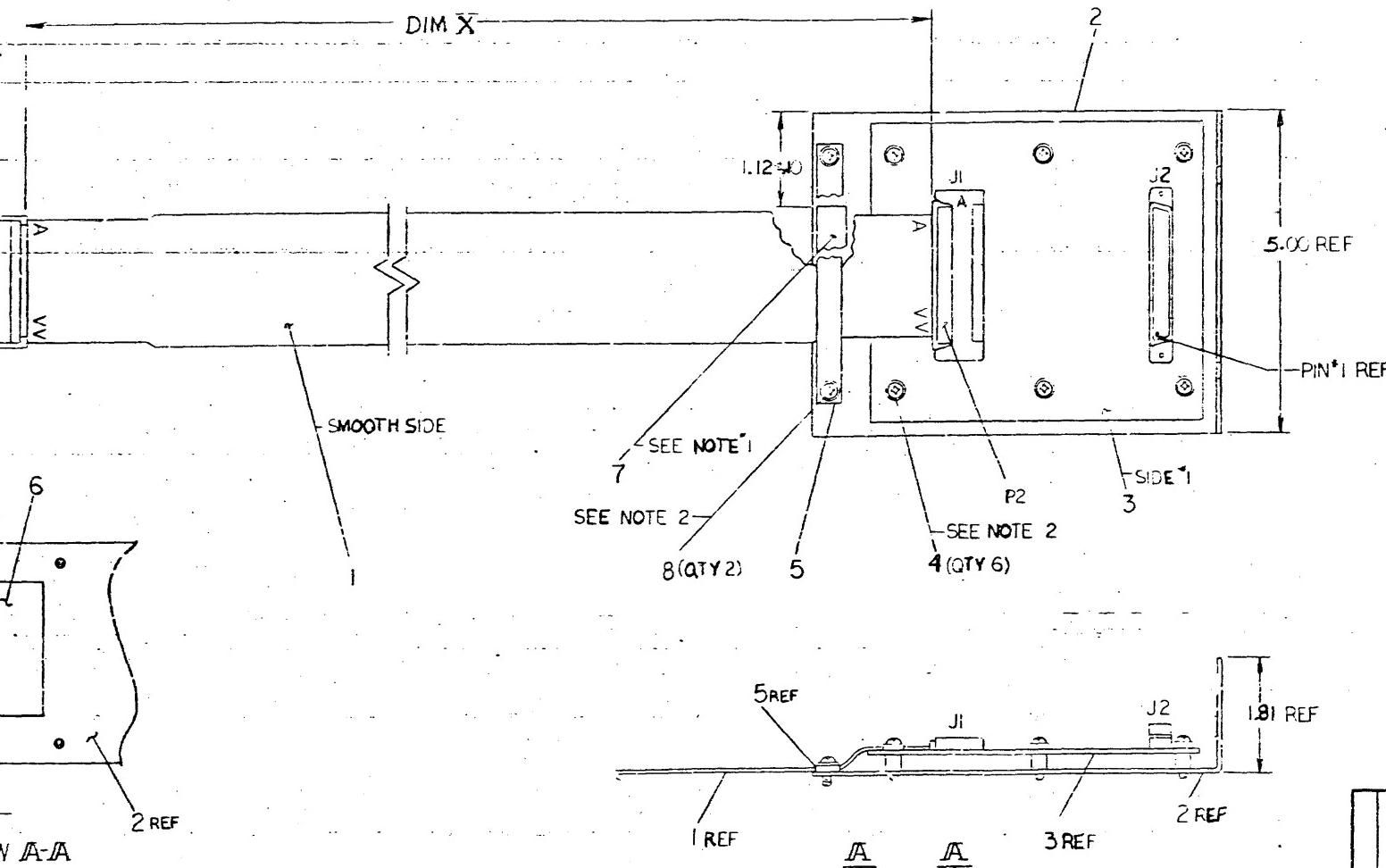
1

WIRE TROLL					
ITEM NO.	DESCRIPTION	FROM	TO		
	NO.	AWG	COLOR	CONNECTOR	CONNECTION
				P2	J1 ITEM 3

LEGEND

NOTES.

1. INSTALL TAPE(ITEM 7) TO PANEL(ITEM 2) BEFORE ASSEMBLING CABLE(ITEM 1) AND STRAIN RELIEF(ITEM 6). TAPE TO BE CUT APPROX 2.25 IN LONG TO ACT AS CUSHION FOR CABLE.
 2. TORQUE VALUE OF "SCREW(ITEM 4) TO BE 10 IN LBS.



CAUTION: OFF SHEET PARTS LIST REFER
TO K-PL-BC55B-0-Φ

			DESCRIPTION		DWG./PART NO.		ITEM NO.	
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
	ANGLES 30° 30'	CLASS OF ACCURACY 1 CHECK ONE:	NOMINAL DIMENSION RANGE INCHES				30A 40.0 40.0 40.0 40.0 40.0	
			D/WA	D/WA	D/WA	D/WA		
	SURFACE QUALITY IN	MEDIUM	0.004 ± .008 ± .012 ± .016 ± .024				.04	
			PREFERRED	± .012	± .016	± .025		± .04
MICROINCHES							.01	
QUANTITY & VARIATION			FIRST USED ON					
ANGLE PROJECTION			1-1-A0				digital	
DRW			TITLE					
CHK'D.			PANEL ASSY					
ENG.			BC55B					
PROJ. ENG.								
PCD								
NEXT HIGHER ASSY								
DO NOT SCALE DWG								
REMOVE BURRS AND BREAK SHARP CORNERS								
DWG. NO. BC55B			SIZE	CODE	NUMBER		REV	
SHEET 1 OF 1			D	UA	BC55B-0		0	
SCALE 1:1			DIST					
H								

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION
1	1 D-IA-BC08S-0-0	BC08S-10	CABLE 10' DC76	1
2	2 D-IA-7421940-0-0	7421940-00	PANEL BC55	1
3	3 D-UA-H8B55-0-0	H8B55-00	JUMPER BOARD + RS422 CONNECTOR F	1
4	4	9006453-00	SCREW, SEMS, SLOTTED HEX HEAD 6-	6
5	5 C-MD-7421941-0-0	7421941-00	STRAIN RELIEF BC55	1
6	6	3616073-00	LABEL,CABLE IDENTIFICATION	1
7	7	9007834-00	TAPE, DOUBLE COATED, 1/2" WIDE, A/R	
8	8	9010174-00	SCREW, SEMS, PHILLIPS PAN HD 6-3	2

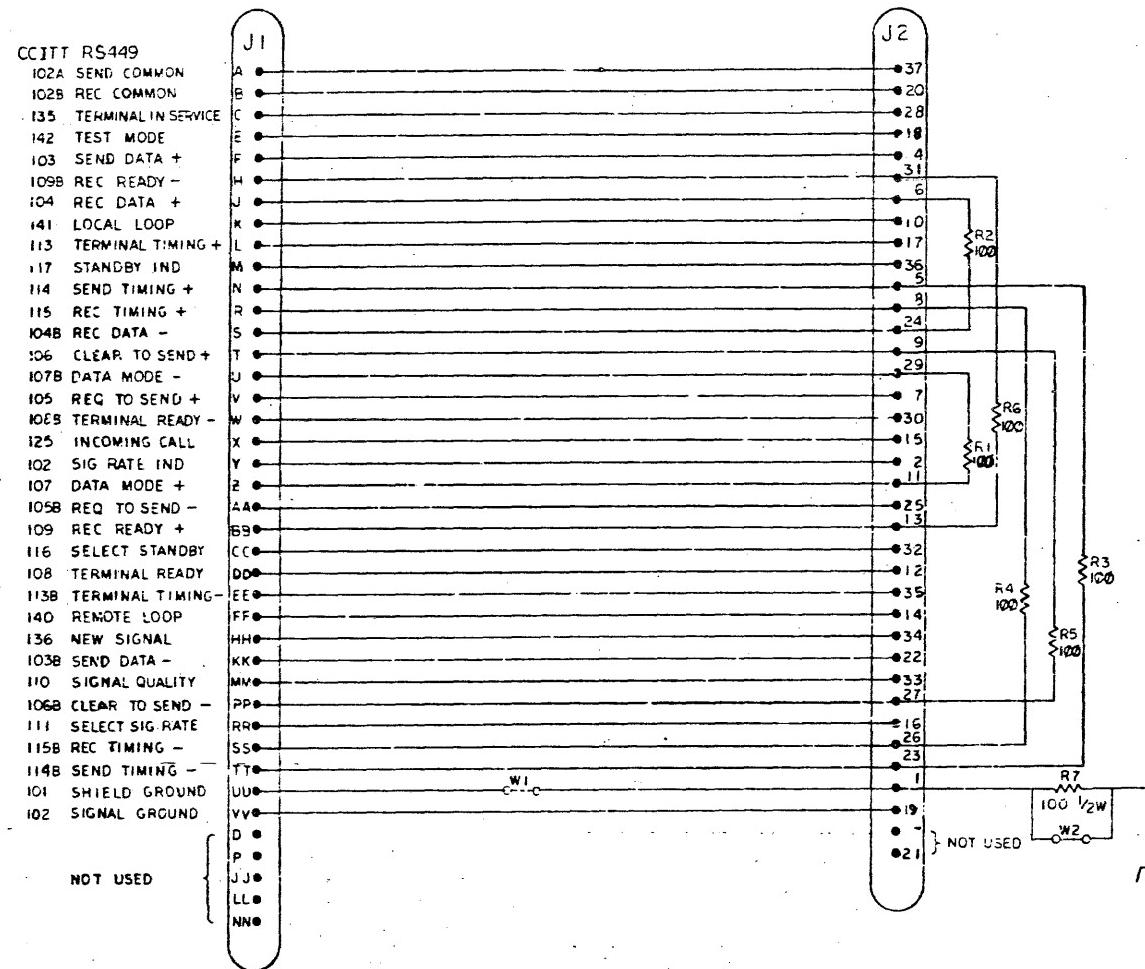
REVISION HISTORY		BASIC PART NO: BC55B		DRN:	G HOVEY	DATE: 21-SEP-79	D	I	G	I	T	A	L
ENG!	ECO NUMBER	REV	SECTION A OF A				TITLE		PARTS LIST				
PA	BC55B-MK001	*	SECTION. VARIATION INDEX	CHN'D:	J FALKOWSKI	DATE: 21-SEP-79			PANEL ASSY,BC55B				
		A	[A] 10										
			[B]	DES.ENG.:	P ALOISI	DATE: 21-SEP-79							
			[C]	RESP.ENG.: <i>Paul Aloisi</i>	P ALOISI	DATE: 21-SEP-79			DOCUMENT NUMBER				
			[D]										
			[E]	MFG.ENG.:	G ARMBRUSTER	DATE: 21-SEP-79	K	PL	BC55B-0-0			REV	
			[F]	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:			FILE NAME:			EDIT #	
				D-UA-BC55B-0-0		B-DD-BC55B-0-0			BC55B.PLS				9

*THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION *

mk

THIS DRAWING AND SPECIFICATIONS HERIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT WITHOUT WRITTEN PERMISSION.

NOTE:
W1 NORMALLY OUT, W2 NORMALLY IN



DRN 0370000000	FIRST USED ON DRAFT-AD	Digital		
CHK'D 1/10/82	TITLE			
ENG. 1	BC558			
PROJ. ENG. 1				
PROD. ENG. 1	CONNECTOR MODULE			
NEXT HIGHER ASSY				
BOD H-355-0	SIZE D	CODE CS	NUMBER H8B55-0-1	REV. *
SCALE -				
SHEET 1 OF 1	DIST.			

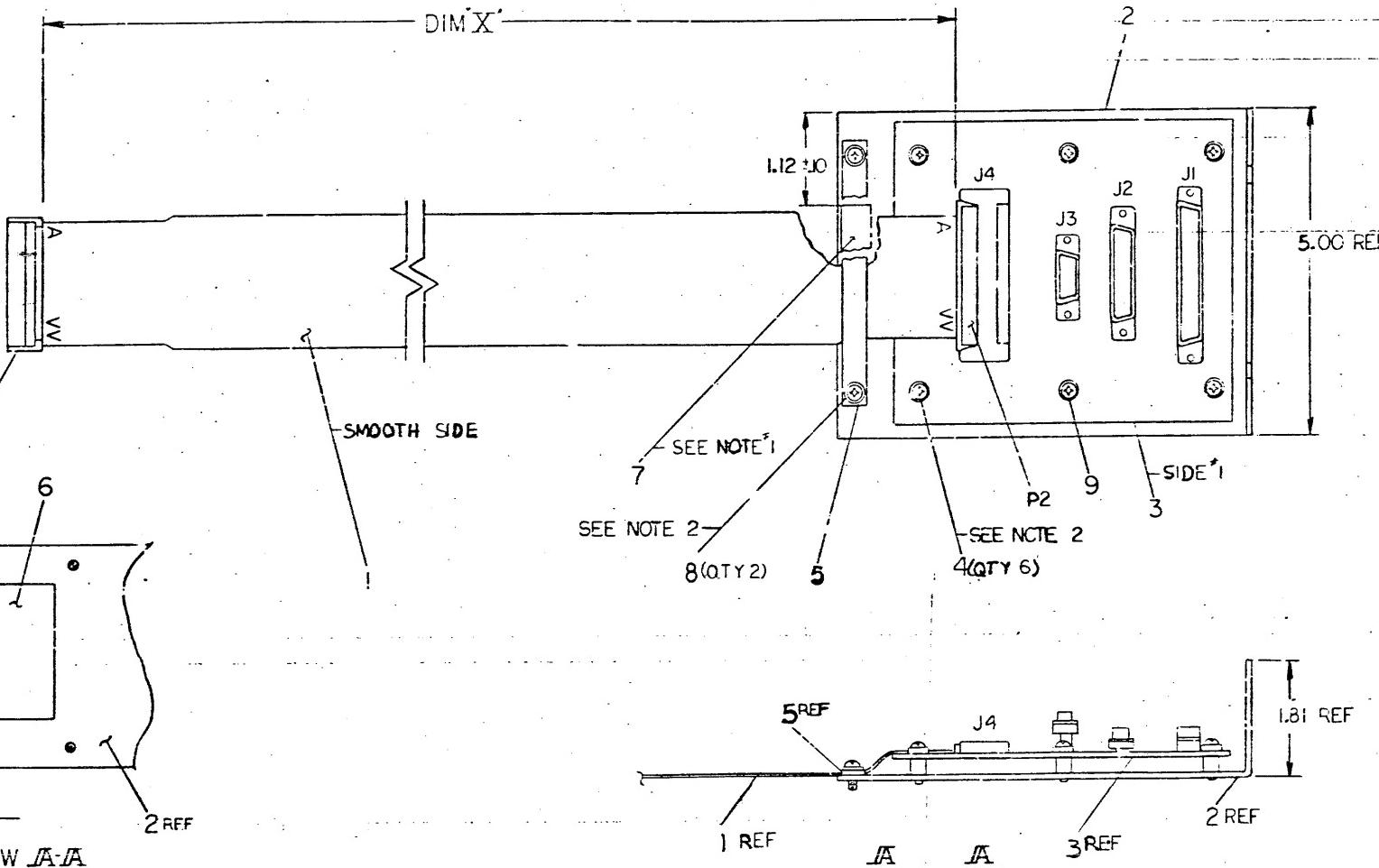
WIRE TABLE

ITEM NO.	DESCRIPTION	FROM		TO	
		AWG	COLOR	CONNECTION	CONNECTION
1		P3		J4 (ITEM 3)	

NUMBER	LEGEND	
	VARIATION (DIM X)	10 FT CAB E
BC55C-12		

NOTES:

1. INSTALL TAPE (ITEM 7) TO PANEL (ITEM 2) BEFORE ASSEMBLING CABLE (ITEM 1) AND STRAIN RELIEF (ITEM 5). TAPE TO BE CUT APPROX. 2.25 IN LONG TO ACT AS CUSHION FOR CABLE.
2. TORQUE VALUE OF SCREW (ITEM 4) TO BE 10 IN LBS.



CAUTION: OFF SHEET PARTS LIST REFER TO K-PL-BC55C-2-Φ

DESCRIPTION		DWG./PART NO.	ITEM NO.						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES									
ANGLES IN° & °/°	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES							
SURFACE QUALITY IN MICRINCHES	MEDIUM	OVER 0.004	OVER 0.2	OVER 1.2	OVER 4.0	OVER 12.0	OVER 40.0		
	✓	.03	.15	.45	.75	2.0	6.0		
QUANTITY & VARIATION		PREFERRED							
IN MICROINCHES		IN INCHES							
THIRD ANGLE PROJECTION		DRW	AL	FIRST USED ON DRAFT-AD digital					
REMOVE BURRS AND BREAK STAMP CORNERS		CHKD	ENG	TITLE					
DO NOT SCALE DWG		PROJ ENG.	FROD	PANEL ASSY, BC55C					
NEXT HIGHER ASSY.									
MATERIAL SEE F-1 F-2 LST		SIZE CODE F-1 F-2 G-6							
SCALE X1:1		NUMBER D-1A BC55C-0 0							
FINISH		REV. A							
SHEET OF		DIST.							

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION. IT IS TO BE REPRODUCED OR COPIED IN WHOLE OR PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF EQUIPMENT WHETHER FOR USE IN THE COMPANY OR NOT.

LEGEND

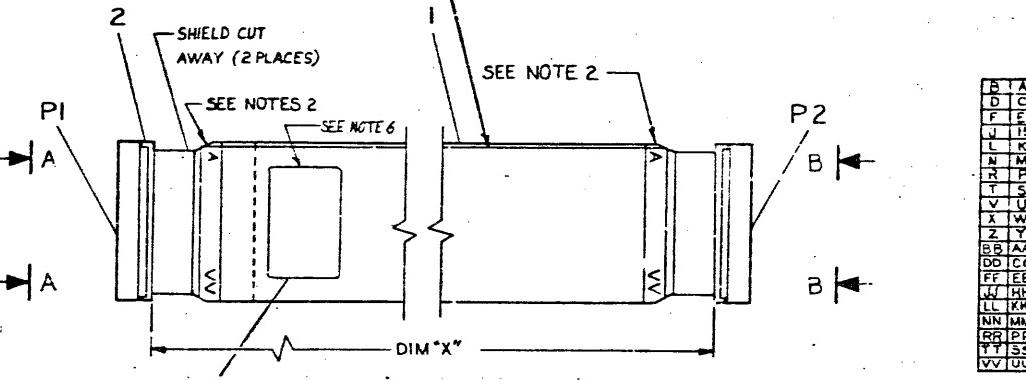
NUMBER	DIM. X VAR	DIM. Y REF
BC08S-0L	10.0 IN ± 0.5 IN	11.2 IN ± 0.5 IN
BC08S-0I	12.0 IN ± 1.0 IN	13.2 IN ± 1.0 IN
BC08S-1B	14.0 IN ± 1.0 IN	15.2 IN ± 1.0 IN
BC08S-1K	21.0 IN ± 1.0 IN	22.0 IN ± 1.0 IN
BC08S-2Z	12.2 IN ± 1.0 IN	25.2 IN ± 1.0 IN
BC08S-2K	33.0 IN ± 1.0 IN	34.2 IN ± 1.0 IN
BC08S-5L	72.0 IN ± 2.0 IN	71.2 IN ± 2.0 IN
BC08S-07	7.0 FT ± 2.0 IN	7.2 FT ± 2.2 IN
BC08S-28	8.0 FT ± 2.0 IN	8.0 FT ± 2.0 IN
BC08S-29	9.0 FT ± 2.0 IN	9.0 FT ± 2.0 IN
BC08S-10	12.0 FT ± 3.0 IN	12.0 FT ± 3.0 IN
BC08S-11	11.0 FT ± 3.0 IN	11.0 FT ± 3.0 IN
BC08S-12	12.0 FT ± 3.0 IN	12.0 FT ± 3.0 IN
BC08S-13	13.0 FT ± 3.0 IN	13.0 FT ± 3.0 IN
BC08S-14	14.0 FT ± 3.0 IN	14.0 FT ± 3.0 IN
BC08S-15	15.0 FT ± 3.0 IN	15.0 FT ± 3.0 IN
BC08S-16	16.0 FT ± 3.0 IN	16.0 FT ± 3.0 IN
BC08S-17	17.0 FT ± 3.0 IN	17.0 FT ± 3.0 IN
BC08S-18	18.0 FT ± 3.0 IN	18.0 FT ± 3.0 IN
BC08S-19	19.0 FT ± 3.0 IN	19.0 FT ± 3.0 IN
BC08S-20	20.0 FT ± 3.0 IN	20.0 FT ± 3.0 IN
BC08S-25	25.0 FT ± 3.0 IN	25.0 FT ± 3.0 IN
BC08S-30	30.0 FT ± 7.2 IN	30.0 FT ± 7.2 IN
BC08S-35	35.0 FT ± 8.4 IN	35.0 FT ± 8.4 IN
BC08S-50	50.0 FT ± 12.0 IN	50.0 FT ± 12.0 IN

NOTES:

- CONNECTORS P1 AND P2, ARE TO BE WIRED POINT TO POINT.
- CONNECTOR LEGEND IDENTIFICATION TO BE PLACED ON SHIELD SIDE AT EACH END OF CABLE ASSEMBLY.
- MUST BE ASSEMBLED TO PROCESS SPECIFICATION 7606485-0-0.
- INSPECTION AND TEST STAMPS TO BE PLACED AT EACH END OF THE CABLE.
- THE NUMBER BC08S MUST BE ON THE CABLE IN CONJUNCTION WITH CONNECTOR LEGEND IDENTIFICATION.
- ADD ITEM 3 APPROX 4 IN FROM CONNECTOR P1. EITHER I.D. LABEL 3616989-00 OR 3616073-00 MAY BE USED. PLACE ON SMOOTH SIDE OF CABLE.
- IF MARKER STRIPE APPEARS ON CABLE, ITEM 4, IT IS TO BE POSITIONED BETWEEN A-A.

SEE NOTE 7

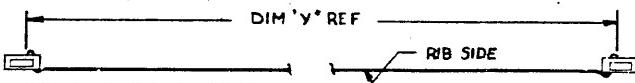
B	A
D	C
F	E
J	H
L	K
N	M
P	R
T	S
V	U
X	W
Z	Y
BB	AA
DD	CC
FF	EE
JO	HI
LL	KK
NN	MM
RR	PP
TT	SS
VV	UU



B	A
D	C
F	E
J	H
L	K
N	M
P	R
T	S
V	U
X	W
Z	Y
BB	AA
DD	CC
FF	EE
JO	HI
LL	KK
NN	MM
RR	PP
TT	SS
VV	UU

VIEW A-A
CONN. LEGEND REF

VIEW B-B
CONN. LEGEND REF



CAUTION OFF SHEET PARTS LIST
SEE A-PL-BC08S-0-0

1	LABEL, CABLE I.D.	3616989-00	4
1	LABEL, PROC. NO.	1004253	3
2	CONNECTOR, 40 SOCKET	12H206-00	2
4	CABLE, FLAT 40 COND	1700004-00	1
DESCRIPTION DWG./PART NO. ITEM NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 90° 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY	(CHECK ONE)	OVER .05	OVER .12
MEDIUM		.104	.008
MICROINCHES	PREFERRED	.012	.016
QUANTITY & VARIATION		.005	.004
THIRD ANGLE PROJECTION			
DRNU FERGUSON 5-27-71 FIRST USED ON LAB 3-E digital			
CHCKD K CRABBE 5-13-71			
ENG'D K CRABBE 5-13-71			
PROL ENG'D JAGA 5-21-71			
PROD P FAZIO 5-21-71			
NEXT HIGHER ASSY.			
A-PL-DRA-FA-0			
MASTERS	SIZE CODE	NUMBER	
SET - A/R'S LIST	DIA	BC08S-0-0 REV. U	
FINISH	1	1	1
SHEET	1	OF	1
DIST.			

REMOVE BURRS AND
SHARP CORNERS

I/O CABLE ASS'Y
(DIAG. JUMPER)

CHG.	CHANGE NO.	REV.
1	BC08S-MRO12	P
2	REVISED AND REDRAWN	
3	W. FISHER 14 JUN 75	
4	S. HOLMES 23 JUN 76	
5	C. BCBRS-JOUL N	
6	D. CHIASSON 19 JUL 76	
7	E. J. NEUMUTH 7-30-76	
8	G. MCGRATH-MRO12	P
9	REVISED AND REDRAWN	
10	W. FISHER 14 JUN 75	
11	A. FILZ	
12	REWORK - MRO12	
13	J. CHIASSON 20 JUL 76	
14	A. FILZ	
15	G. MCGRATH	
16	BC08S-MRO14 S	
17	REVISED AND REDRAWN	
18	A. FILZ	
19	G. MCGRATH	
20	BC08S-MRO15	
21	REVISED AND REDRAWN	
22	J. BITTO	
23	BC08S-MRO16 U	
24	REVISED AND REDRAWN	
25	LNG	
26	REVISED AND REDRAWN	

WIRE TABLE

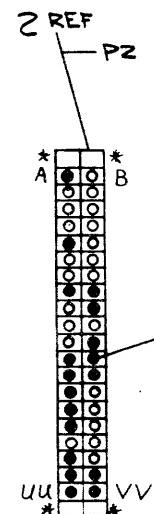
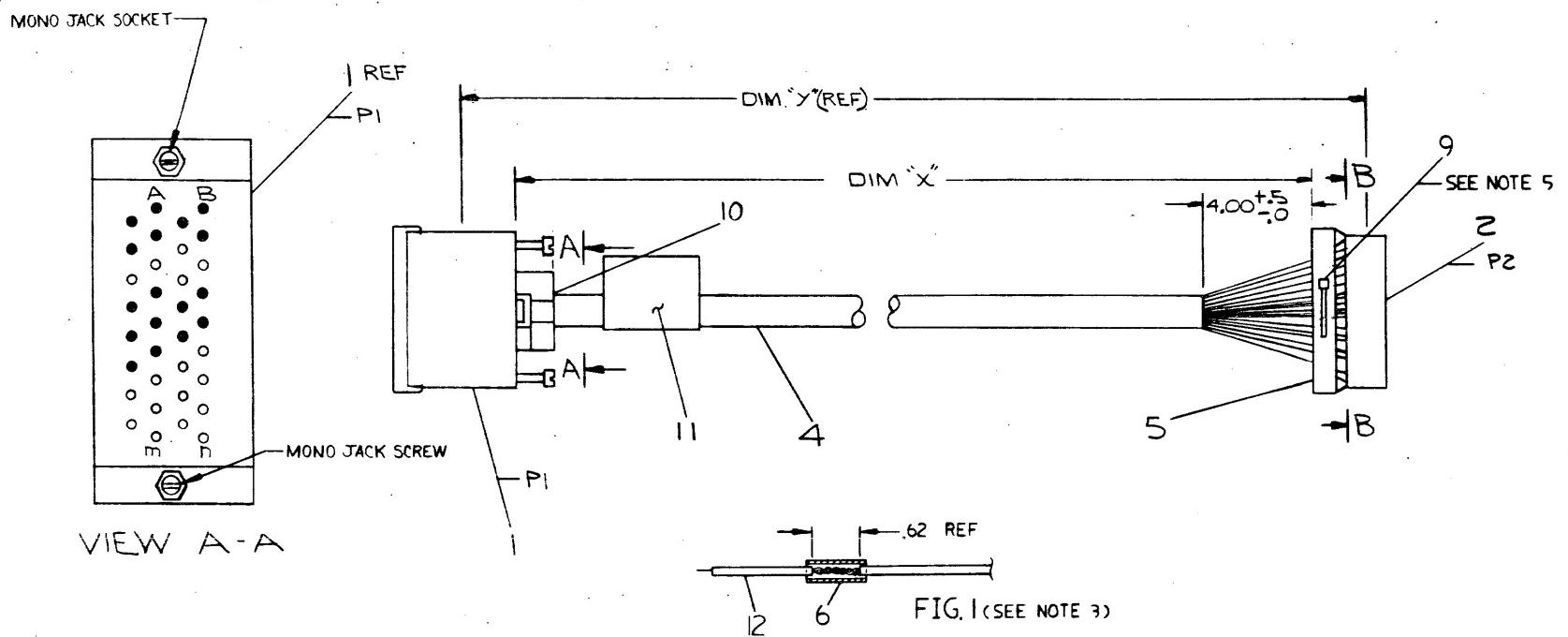
ITEM NO	DESCRIPTION		FROM		TO		REMARKS (SIGNAL NAME)	SHIELD COLOR
	AWG	COLOR	CONN	WITH	CONN	WITH		
4	*22 TWP	RED	PI - P	1 \$ 3	P2-KK	2 \$ 7	TX DATA DIFF +	RED
		BLK	PI - S		P2-AA		TX DATA DIFF -	
		WHT	PI - R		P2-K		RX DATA DIFF +	RED
		BLK	PI - T		P2-S		RX DATA DIFF -	
		GRN	PI - Y		P2-CC		TX CLOCK DIFF +	GRN
		BLK	PI - Q		P2-TT		TX CLOCK DIFF -	
		BLU	PI - V		P2-HH		RX CLOCK DIFF +	BLU
		BLK	PI - X		P2-SS		RX CLOCK DIFF -	
		YEL	PI - U		P2-PP		AUX CLOCK DIFF +	BLU
		BLK	PI - W		P2-EE		AUX CLOCK DIFF -	
		BRN	PI - C		P2-V		RTS	BLU
		BLK			P2-UU		GND	
		ORN	PI - E		P2-Z		DSR	BLU
		BLK	PI - A		P2-A		GND	
		WHT	PI - H		P2-DD		DTR	BLU
		RED	PI - F		P2-BB		CDET	
	*22 TWP	GRN	PI - D		P2-T		CTS	BLU
		RED			P2-VV 2 \$ 7		GND	
ALL DRAIN WIRES		PI - B	1 \$ 3	SEE NOTE 3			GND	

LEGEND

NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT) REF
BC05Z-25	25 FT Ø IN ± 3 IN	25 FT 2 IN ± 3 IN
BC05Z-50	50 FT ± 2%	50 FT 2 IN ± 2%

NOTES:

1. STRIP BACK OUTER JACKET TO ALLOW SEPARATION OF WIRES.
2. STRIP BACK FOIL TAPE.
3. ON PI END OF CABLE, TWIST DRAIN WIRES FROM ALL PAIRS TOGETHER AND CUT .62 LONG. SOLDER TO .50 IN. EXPOSED LEAD FROM ITEM#12 REF. FIG.1. COVER SOLDERED CONNECTION WITH SHRINK TUBING(ITEM#6). CONNECT OTHER END OF ITEM#12 TO ITEM#3.
4. ALL UNUSED WIRES (NOT CONNECTED TO PI OR P2) TO BE CUT FLUSH WITH OUTER INSULATION OF CABLE.
5. ASSEMBLE ITEM#9 THRU CENTER HOLES OF ITEM#5 AND POSITION AS SHOWN.



CAUTION: OFF SHEET PARTS LIST EXISTS. REFER TO K-PL-BC05Z-0-0.

ITEM NO.	DESCRIPTION	DWG/PART NO.
1	LABEL, CABLE IDENTIFICATION	3616073-00
2	A/R TAPE, DOUBLE SIDED	9007834
3	WRAP TAPE	9007831
4	LABEL, CABLE	3600252
5	SOCKET, CRIMP	1210089-07
6	A/R TUBING, SHRINK	9107255-00
7	RELIEF STRAIN	1211166-00
8	A/CABLE, 22 AWG (9 TWP)	9107687-00
9	CONN, PIN, 22-26 AWG	1209029-00
10	CONN, 44 POS HSG	1210916-15
11	CONN ASSY (34 POS)	1212109-00

DESCRIPTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
AMOLETS 30° 30'	BLADE OF ACCURACY	NOMINAL DIMENSION RANGE INCHES			
1	2	OVER	OVER	OVER	OVER
3	4	0.2	0.2	1.2	1.2
4	5	0.3	0.3	1.5	1.5
5	6	0.4	0.4	1.7	1.7
6	7	0.5	0.5	2.0	2.0
7	8	0.6	0.6	2.3	2.3
8	9	0.7	0.7	2.6	2.6
9	10	0.8	0.8	2.9	2.9
QUANTITY & VARIATION					
THIRD ANGLE PROJECTION					
REMOVE SURFS AND BREAK SHARP CORNERS					
DO NOT SCALE DWG					
NEXT HIGHER ABSY.					
MATERIAL SEE PARTS LIST					
FINISH					
SHEET 1 OF 1	DIST.	SIZE D	CODE UA	NUMBER BC05Z - 0 - 0	REV. F

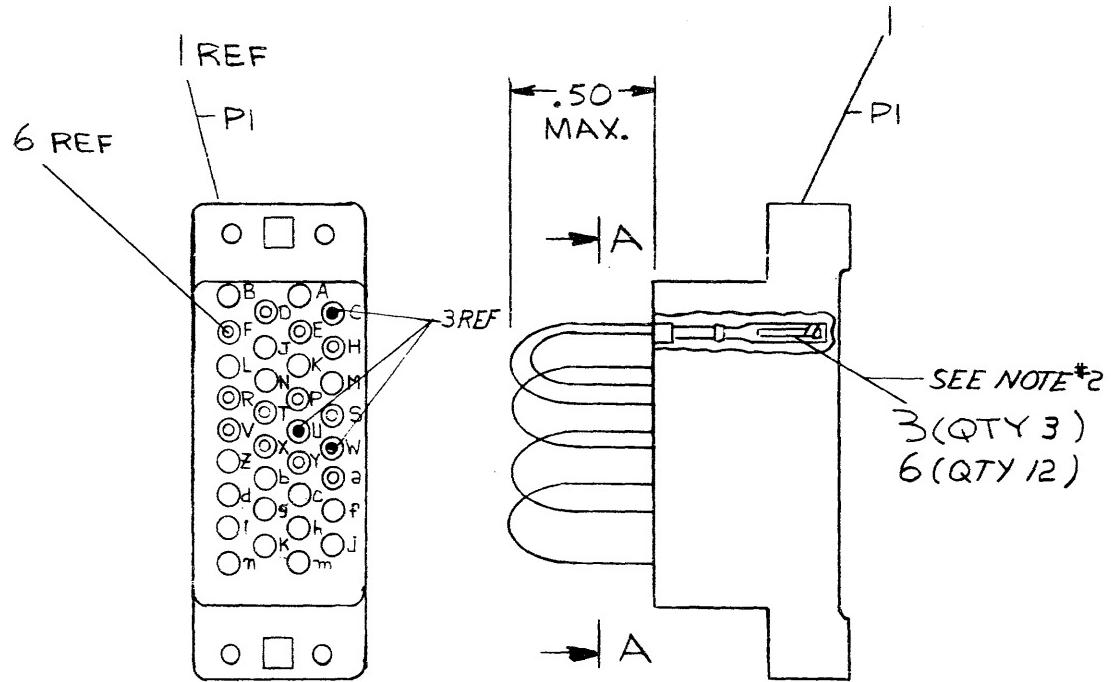
REVISION	CHANGER	REV.
1	J. CHASEN	BC05Z-00001 A
2	B. SMITH	BC05Z-00002 B
3	J. CHASEN	BC05Z-00003 C
4	P. ALIOSI	BC05Z-00004 D
5	J. CHASEN	BC05Z-00005 E
6	D. ZUBER	BC05Z-00006 F
7	R. HARRINGTON	BC05Z-00007 G
8	R. HARRINGTON	BC05Z-00008 H
9	R. HARRINGTON	BC05Z-00009 I
10	R. HARRINGTON	BC05Z-00010 J

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1977, DIGITAL EQUIPMENT CORPORATION"

ITEM NO	DESCRIPTION		FROM			TO		
	AWG	COLOR	POINT	DESCRIPTION	WITH	POINT	DESCRIPTION	WITH
2	20	BLK	PI-U	AUX CLK +	3	PI-Y	TX CLK DIFF +	6
			PI-U			PI-V	RX CLK DIFF +	6
			PI-W	AUX CLK -	3	PI-B	TX CLK DIFF -	6
			PI-W			PI-X	RX CLK DIFF -	6
			PI-P	TX DATA DIFF +	6	PI-R	RX DATA DIFF +	6
			PI-S	TX DATA DIFF -	6	PI-T	RX DATA DIFF -	6
			PI-C	RTS	3	PI-D	CTS	6
			PI-C			PI-F	CDET	6
	20	BLK	PI-H	DTR	6	PI-E	DSR	6

NOTES:

- EACH PLANT MAY USE THE VARIATION OF (ITEM # 2) THAT IS OF HIGHEST AVAILABILITY. (I.E. USE THE COLOR YOU HAVE THE MOST OF - AWG IS IMPORTANT, NOT COLOR).
- CONTACT P.N. 1210290-01 IS TO BE USED WHERE ONLY ONE WIRE IS INSERTED IN THE CONNECTOR. CONTACT P.N. 1210290-00 IS TO BE USED WHERE TWO WIRES ARE INSERTED(I.E. AT PI-C, PI-U,AND PI-W)

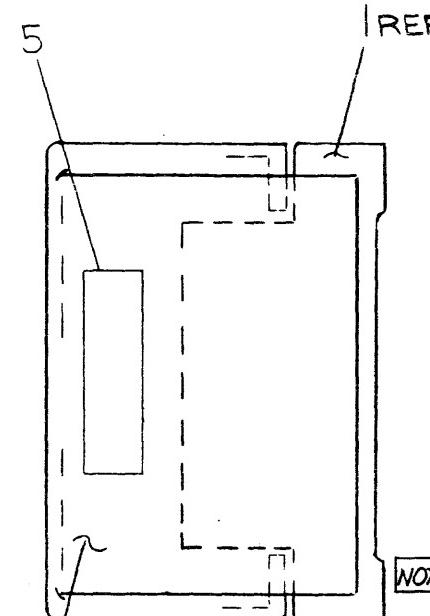


VIEW A-A

REAR VIEW
HOOD(ITEM #4)
REMOVED

SIDE VIEW

HOOD(ITEM #4)
REMOVED



NOTE #2	12	SOCKET, CONTACT (20 AWG)	1210290-01	6
1	LABEL	9008473	5	
1	HOOD	1213032-0-0	4	
3	SOCKET, CONTACT(4 AWG)	1210290-00	3	
NOTE #1	A/R	WIRE #20 AWG, BLK	9107460-00	2
1	CONNECTOR BODY 34 PIN	1213033-0-0	1	

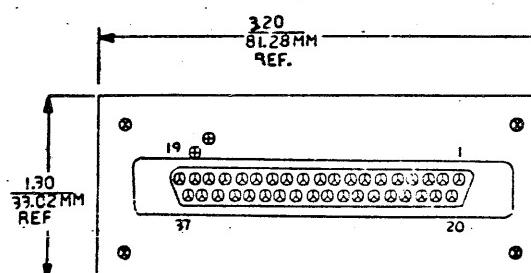
QUANTITY & VARIATION		DESCRIPTION						DWG./PART NO.		ITEM NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES													
ANGLES $\pm 0^{\circ} 30'$		CLASS OF ACCURACY (CHECK ONE)		NOMINAL DIMENSION RANGE INCHES									
SURFACE QUALITY IN		MEDIUM		OVER 0.2	OVER 1.2	OVER 4.0	OVER 12.0	OVER 40.0	OVER 80.0				
MICROINCHES		PREFERRED		0.2	1.2	4.0	12.0	40.0	80.0				

THIRD ANGLE PROJECTION	DRN. 1210290-01-00	1210290-01-00	FIRST USED ON DMCII-FA	digital
CHK'D R. Aloisi	3-22-77	ENG. R. Aloisi	3-22-77	TITLE
PROJ. ENG. R. Aloisi	3-22-77	PROD. M. J. Hayes	3-22-77	CONNECTOR, TEST
DO NOT SCALE DWG.				V.35/DDS
MATERIAL SEE PARTS LIST	1	SIZE C	CODE IA	NUMBER H3250-0-0
FINISH	NONE	REV. B		
SHEET 1	OF 1	DIST.		

REVISIONS		REV.
CHK	CHANGE NO.	REV.
J. H3250-000001	A	
B. Chiaromonte / 15 July 77		
P. ALOISI		
R. Harrington / 15 Feb 78		
P. Harrington / 15 Feb 78		

This drawing and its contents are the
property of Digital Equipment Corporation and shall
not be reproduced without written permission.
Digital Equipment Corporation
Wellesley, Massachusetts 02481
Copyright © 1980

COMPONENT SIDE VIEW



NOTES:

CHANGE NO	REV
REVISER	
REDRAWN	
H3251-000	A

STEP E → Y AXIS 1.3 STEP 1 TIMES
REPEAT → X AXIS 3.2 STEP 4 TIMES

ETCH REV. B - PI

SIGNATURES	DATE	digital
DRN. H. [Signature]	3-25-82	
CHK D. J. [Signature]	3-25-82	
MECH. ENG. L. J. [Signature]	3-25-82	TITLE
PROJ. ENG. D. J. [Signature]	3-25-82	RS422 TEST CONNECTOR
PROD. W. [Signature]	3-25-82	
SCALE 2:1	SIZE CCDE	NUMBER
SHT. 1 OF 1	0	0
	UA	H3251-0-0
		REV A
		NEXT HIGHER ASSY. 5-DD-H3251-0

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1 1	D-MD-5013909-0-0	5013909-00	ETCH BRD FOR H3251	00	
2 2		1216296-00	CONN,D SUB 37PIN SOCKET,CRIMP	1	J1

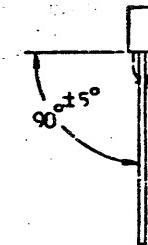
REVISION HISTORY		BASIC PART NO:	H3251	DRN:	B.FRASER	DATE:	21-MAR-79	D	I	G	I	T	A	L
ENG!	ECO NUMBER	REV	SECTION A OF A					TITLE	PARTS LIST					
PA	MK001	IA	SECTION.VARIATION INDEX	CHK'D:	J.FALKOWSKI	DATE:	21-MAR-79							
			[A] 00						RS422 TEST CONNECTOR					
			[B]											
			[C]			DES.ENG:	P.ALOISI	DATE:	4-DEC-80					
			[D]						21-MAR-79					
			[E]											
			[F]			RESP.ENG.:	P.ALOISI	DATE:	4-Dec-80					
			[G]						16-JUN-80	DOCUMENT NUMBER				
			[H]											
			[I]											
			[J]											
			[K]			MFG.ENG.:	BOR MULLIN	DATE:	8-DEC-80					
			[L]						16-JUN-80	K	PL	H3251-0-0		
			[M]			ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:						
			[N]			ID-LA-H3251-0-0		B-DD-H3251-0-0						

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1980, DIGITAL EQUIPMENT CORPORATION *

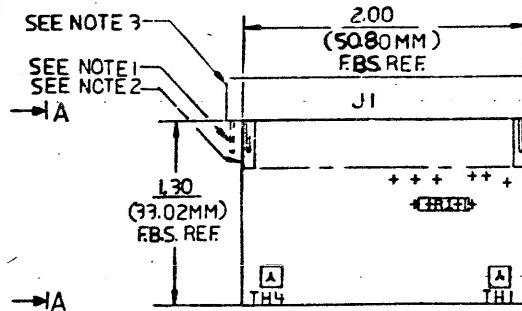
MK

THIS DRAWING AND INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF THE GOVERNMENT OF CANADA. THEY ARE PROVIDED TO YOU AS A MATTER OF GOVERNMENT OF CANADA CONFIDENTIALITY. THEY ARE NOT TO BE DISCLOSED EXCEPT IN ACCORDANCE WITH THE GOVERNMENT OF CANADA CONFIDENTIALITY REGULATIONS. © 1981

COMPONENT SIDE VIEW



VIEW A-A



NOTES:

1 PEWORK CONNECTOR TO REMOVE FOUR (4) PINS - TWO (2) AT EACH END OF THE CONNECTOR PRIOP TO ASSEMBLY TO THE BOARD.

2 OUTER FINGERS MAY BE CUT IN SHEARING PROCESS

STEP E → Y AXIS 1.1 STEP 7 TIMES
REPEAT → X AXIS 2.0 STEP 7 TIMES

NOTES CONT:

3 SOLDER J1 TO PC BOARD

CHG CHANGE NO	REV	CHG CHANGE NO	REV
H3254-TH4	A		

ETCH REV: SP2

SIGNATURES	DATE
DRN. G. Brown	3-20-83
CHK'D. [Signature]	3-20-83
MECH. ENG. P. COLLETTE	3-20-83
PROJ. ENG. P. LEE	3-20-83
PROD. BILLBOARD PBC	3-20-83
SCALE 2/1	SIZE CODE NUMBER REV
SHT. 1 OF 1	0 UA H3254-0-0 A
NEXT HIGHER ASSY. P-10-H3254-0	

MK	1	WD#3015



PARTS LIST

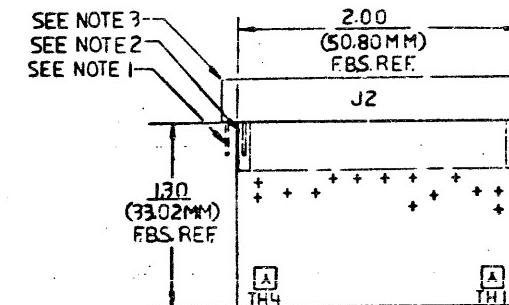
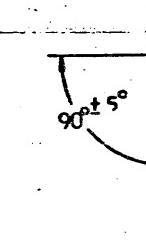
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
1 1	D-MD-5013900-0-0	5013900-00	M8203 TEST CONNECTOR	1	
2 2		1215563-00	RECEPTACLE,PC BOARD EDGE MOUNT,4	1	J1
3 3		1302379-00	.75.0 .25 W 5.0 X CC	1	R1

REVISION HISTORY		BASIC PART NO:	H3254	IDEN:	J. WHITNEY	DATE:	21-MAR-79	D	I	G	I	T	A	L
ENG	ECO NUMBER	REV	SECTION A OF A					TITLE		PARTS LIST				
PA	H3254-MK001A	A	SECTION.VARIATION INDEX	CHK'D:	B.KUPPENAL	DATE:	21-MAR-79			MB203 TEST CONNECTOR J1				
			[AJ 00											
			[BJ											
			[CJ]					DES.ENG:		PAUL ALOISI				
			[DJ]					DATE:		21-MAR-79				
			[EJ]											
			[FJ]					RESP.ENG.:		PAUL ALOISI <i>AC</i>				
			[HJ]					DATE:		12-SEP-80				
			[IJ]											
			[KJ]					MFG.ENG.:		BOB O' DONNELL				
			[LJ]					<i>BILL BROOK AC</i>		DATE: 12-SEP-80				
			[MJ]					TOP DOCUMENT NUMBER:		FILE NAME:				
			[NJ]					D-UA-H3254-0-0		MK0201.PLS				

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1981. DIGITAL EQUIPMENT CORPORATION *

THIS DRAWING IS THE PROPERTY OF THE UNITED STATES GOVERNMENT
NOT TO BE REPRODUCED OR DISCLOSED EXCEPT IN ACCORDANCE WITH
APPROPRIATE GOVERNMENT REGULATIONS OR BY CONTRACTUAL AGREEMENT.
DATE 6-19-80

COMPONENT SIDE VIEW



NOTES:
REWORK CONNECTOR TO REMOVE FOUR (4) PINS - TWO (2) AT EACH END OF CONNECTOR PRIOR TO ASSEMBLY TO BOARD.
OUTER FINGERS MAY BE CUT IN SHEARING PROCESS.
STEP E → Y AXIS 1.70 - STEP 7 TIMES REPEAT → Y AXIS 2.10 - STEP 7 TIMES
CHK CHARGE REV. B FST DATE 6-19-80

NOTES CONT.
3 SOLDER J2 TO PC BOARD

ETCH REV. C-PI

SIGNATURES	DATE	digital
DAN BROWN	6-19-80	
CHK'D. J. SAWYER	6-19-80	
MECH. ENG. R. WILSON	6-19-80	TITLE M3223
PROJ. ENG. R. WILSON	6-19-80	TEST CONNECTOR J2
PROD. B. BULLOCK	6-19-80	SCALE 2/1
ETCH REV. C-PI	6-19-80	SIZE CODE NUMBER REV.
SH. 1 OF 1	6-19-80	0 UA H3255-0-0 5
NEXT HIGHER PSSN. DD+3255-0		

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
1	D-MD-5013901-0-0	5013901-00	M8203 TEST CONNECTOR	1	
2		1215563-00	RECEPTACLE,PC BOARD EDGE MOUNT,4	1	J2

*THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1981, DIGITAL EQUIPMENT CORPORATION *

COPYRIGHT (C) 1981, DIGITAL EQUIPMENT CORPORATION

三

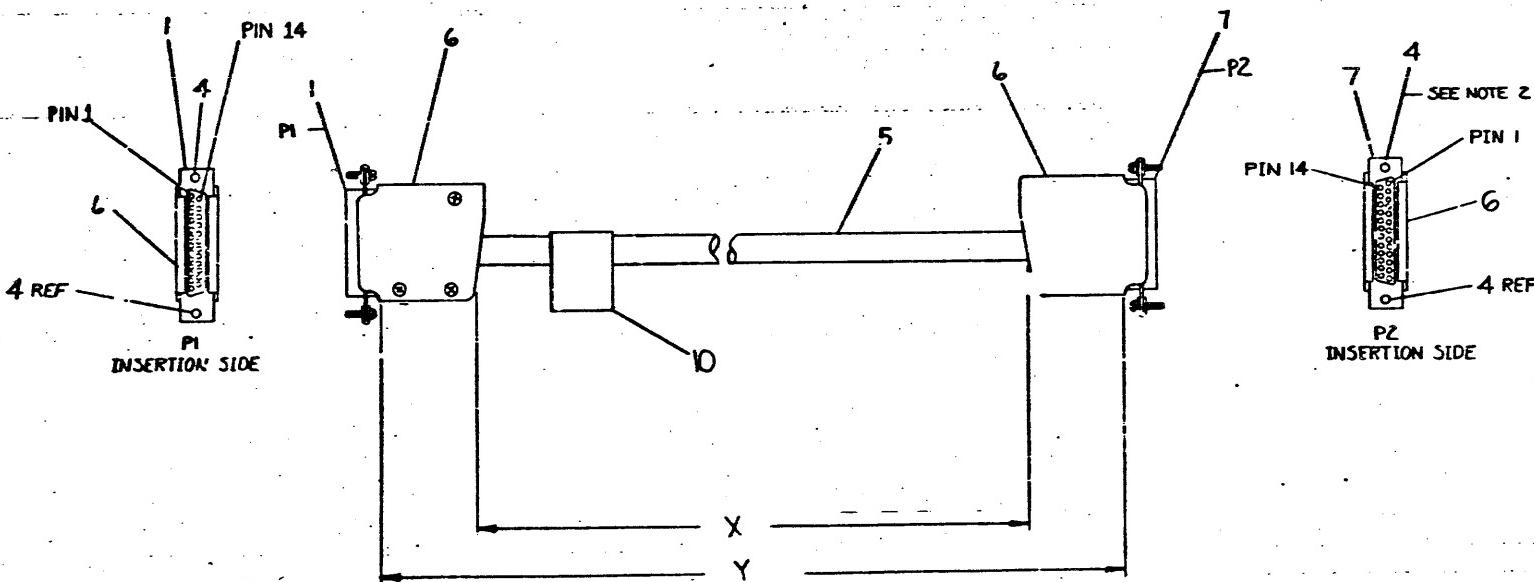
THIS BANNER AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED BY COMPTON OR ANY OTHER COMPANY OR PERSON AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COMPTON © 1976 - DIGITAL EQUIPMENT CORPORATION

WIRE TABLE							
ITEM NO.	AWG	DESCRIPTION COLOR	FROM CONN	TO WITH	REMARKS	TO WITH	REMARKS
5	26	RED/BLU	P1-14	2	P2-14	8	
		ORANGE/RED	-15		-15		
		RED/ORANGE	-16		-16		
		BROWN/RED	-17		-17		
		RED/BROWN	-18		-18		
		GRAY/RED	-19		-19		
		RED/GRAY	-20		-20		
		BLACK/BLK	-21		-21		
		BLK/BLU	-22		-22		
		ORG/BLK	-23		-23		
		BLK/OPEN	-24		-24		
5	26	GRN/YEL	P1-25	2	P2-25	8	

NUMBER	"X" DIM	"Y" PRECUT DEF
BC05D-10	3FT ± 2IN	10FT 3IN
BC05D-25	25FT ± 2IN	25FT 3IN
BC05D-50	50FT ± 2IN	50FT 3IN
BC05D-06	6FT ± 2IN	6FT 3IN
BC05D-15	5FT ± 2IN	5FT 3IN
BC05D-22	20FT ± 2IN	20FT 3IN
BC05D-72	70FT ± 2% 75FT ± 2%	70FT 3IN
BC05D-75	75FT ± 2%	75FT 3IN
BC05D-90	90FT ± 2%	90FT 3IN
BC05D-A0	100FT ± 2%	100FT 3IN
BC05D-A7	170FT ± 2%	170FT 3IN

NOTES

1. ITEM "3 AND ITEM "9 REQUIRE THAT 3 WIRES BE SOLDERED INTO EACH OF THE CONTACTS.
 2. MALE SCREW RETAINER MOUNTED HERE.



**CAUTION: OFF SHEET PARTS LIST EXISTS.
REFER TO K-PL-BC95D-1-1.**

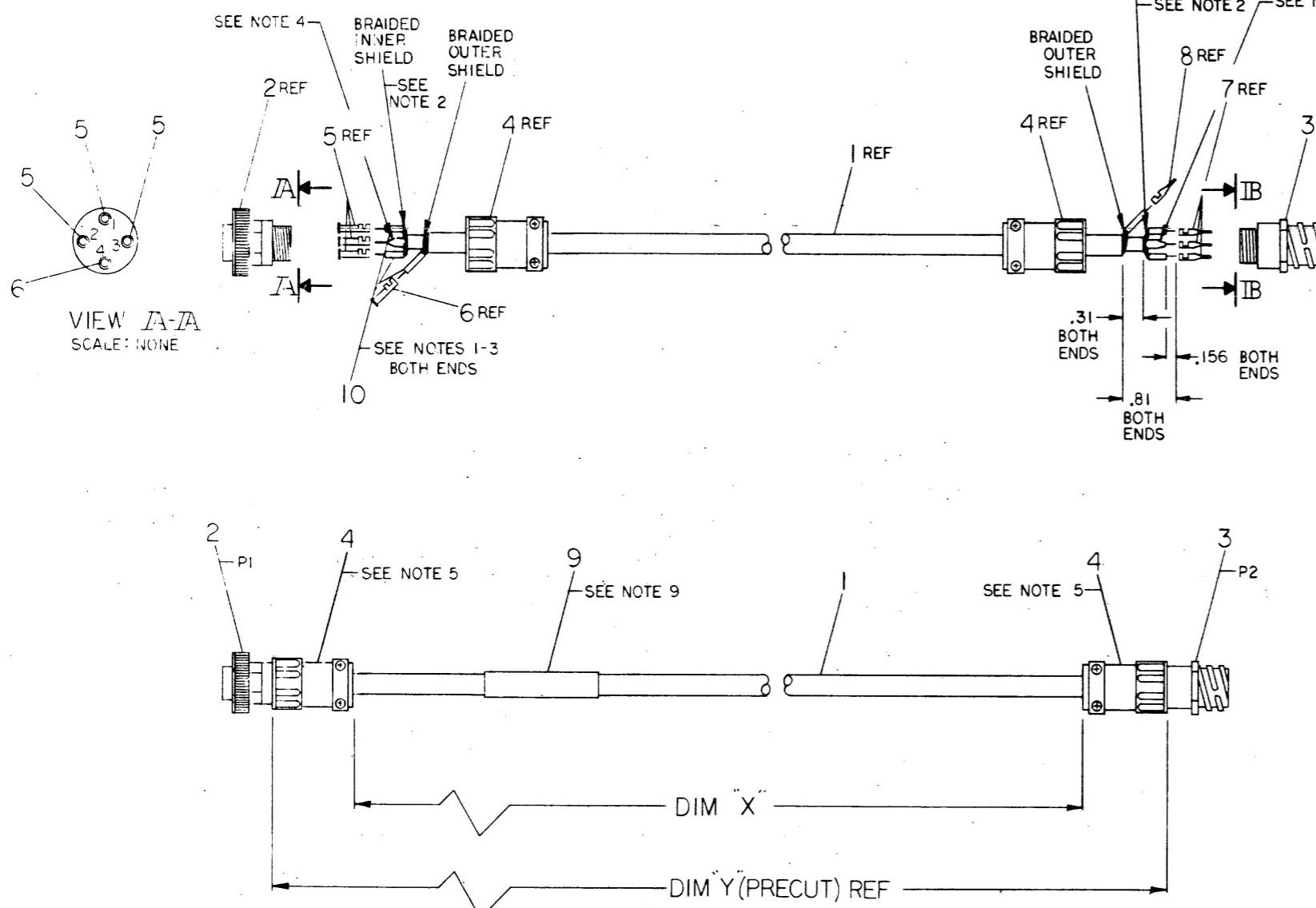
2	F.E.W.R.A.P	7007031-06	++
1	CABLE LABEL	3616073-00	10
1	SOCKET CONTACT	1215143-25	?
24	SOCKET 24-28 AWG	1210493-45	8
1	SHELL & INSERT, FEMALE	1210493-32	7
2	HOOD	1210493-50	6
Mr	CABLE, MOHAWK 25 CONN	91071736-00	5
2	MALE SCREW RETAINER	1210493-51	4
1	PIN CONTACT	1215241-00	3
24	ZIG 24-28 AWG	1210493-43	2
		WIREST. LINE	1210493-25

			DESCRIPTION	DWG/PART NO.	ITEM NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES										
QUANTITY & VARIATION	ANGLES DEG 30°	CLASS OF ACCURACY	VIEW NUMBER							
			0.04	0.12	0.40	0.12	0.40			
SURFACE QUALITY	IN CHECK ONE	MEDIUM	0.04	0.08	0.12	0.16	0.34	0.64		
			0.04	0.08	0.12	0.16	0.34	0.64		
MICROHOLE PREFERRED						0.012	0.018	0.025	0.037	0.051
ANGLE PROJECTION						FIRST LEGEND				
						R701				
BEFORE BURNS AND BREAK SHARP CORNERS						TITLE				
						ASYNC MODEM INTERF CABLE EXT				
DO NOT SCALE DWG						REV F				
NEAT - GHER ASSY.						SIZE CODE D				
SHEET 1 OF 1						NUMBER BC05D-0-0				
IN						DIST				

"THIS DRAWING AND SPECIFICATIONS, HERIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1974 DIGITAL EQUIPMENT CORPORATION

WIRE TABLE

ITEM NO.	CONDUCTOR	FROM		TO		SIGNAL
		CONN	WITH	CONN	WITH	
I	CENTER	PI-1	5	P2-1	7	+ DIFF
	INNER SHIELD	PI-2	5	P2-2	7	- DIFF
	INNER SHIELD	PI-3	5	P2-3	7	- DIFF
	OUTER SHIELD	PI-4	6	P2-4	8	GND



LEGEND

NUMBER	DIM "X" VARIATION	DIM "Y" (PRECUT)	REF	METRIC(REF)
BC55M-98	98FT. ± 2FT.	98FT. 6 IN.	30 METERS	

NOTES:

1. MAKE OUTER SHIELD ONE WINDING.
 2. SPLIT INNER SHIELD INTO TWO SEPARATE WINDINGS AT BOTH ENDS OF CABLE.
 3. PUT SHRINK TUBING ,(ITEM*10) OVER THE TWO INNER SHIELDS AND ONE OUTER SHIELD. LEAVE .56 OF SHIELDS EXPOSED FOR CRIMPING.
 4. STRIP BACK CENTER CONDUCTOR .56, TRIM BACK .38 OF REMAINING INSULATION TO A SUITABLE DIA. TO FIT INTO CONTACT AND CONNECTOR.
 5. USE CLAMPING INSERT *2 SUPPLIED WITH CLAMP ASSY., (ITEM*4).
 6. FOR CRIMPING TOOL USE AMP* 90277-01 FOR ITEMS 5 & 7. USE CRIMPING TOOL AMP *90310-1 FOR ITEMS 6 & 8.
 7. FOR EXTRACTION TOOL USE AMP* 305183.
 8. FOR INSERTION TOOL USE AMP* 91002-1.
 9. APPLY LABEL,(ITEM*9) APPROX. AS SHOWN.

LEGEND CONT.

NUMBER	DIM "X"	DIM "Y"(PRECUT)REF	METRIC
BC55M-50	50 FT \pm 2 %	50FT 6IN \pm 2 %	—
BC55M-A5	150 FT \pm 2 %	150 FT 6IN \pm 2 %	—
BC55M-B0	200 FT \pm 2 %	200 FT 6IN \pm 2 %	—
BC55M-C0	300FT \pm 2 %	300 FT 6IN \pm 2 %	—
BC55M-E0	500 FT \pm 2 %	500 FT 6IN \pm 2 %	—
BC55M-L0	1000FT \pm 2 %	1000 FT 6IN \pm 2 %	—
BC55M-Y0	2000FT \pm 2 %	2000 FT 6IN \pm 2 %	—
BC55M-YA	3500FT \pm 2 %	3500FT 6IN \pm 2 %	—

CAUTION: OFF SHEET PARTS LIST EXISTS.
REFER TO K-PL-BC55M-0-0.

			DESCRIPTION		DRAWING PART NO.		ITEM NO.				
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES								
			ANGLES 5° 30'	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES						
					OVER 0	OVER 0.05	OVER 0.12	OVER 0.18	OVER 0.25		
			SURFACE QUALITY IN MICRONS	MEDIUM	±.004	±.008	±.012	±.016	±.024	±.036	
				PREFERRED	±.012	±.016	±.028	±.04	±.063	±.1	
QUANTITY & VARIATION			DRN: D. Borchard 15 May 79						FIRST USED ON		
			CHK: J. Johnson 5/20/79						DMP11-AD		
			ENG: J. Johnson 5/20/79						TITLE		
			PROL ENG: J. Johnson 5/20/79						CABLE,		
			PROD: J. Johnson 5/20/79						INTEGRAL MODEM		
REMOVE BURRS AND BREAK SHARP CORNERS			NEXT HIGHER ASBY.								
DO NOT SCALE DRAW											
E PARTS LIST			SCALE	1/1	SIZE	CODE	NUMBER		REV.		
			SHEET	OF	D	UA	BC55M-0-0		C		
									MK		1

REVISIONS	
CHG	CHANGE NO.
<input checked="" type="checkbox"/>	BC55M-MK001 A
<input checked="" type="checkbox"/>	BC55M-MK002 B
<input checked="" type="checkbox"/>	R. BLANCHETTE
<input checked="" type="checkbox"/>	D. ROBINSON
<input checked="" type="checkbox"/>	R. BLANCHETTE
<input checked="" type="checkbox"/>	D. ROBINSON
<input checked="" type="checkbox"/>	R. BLANCHETTE
<input checked="" type="checkbox"/>	R. HARRINGTON
<input checked="" type="checkbox"/>	L. DILLIGIT

80

WIRE TABLE

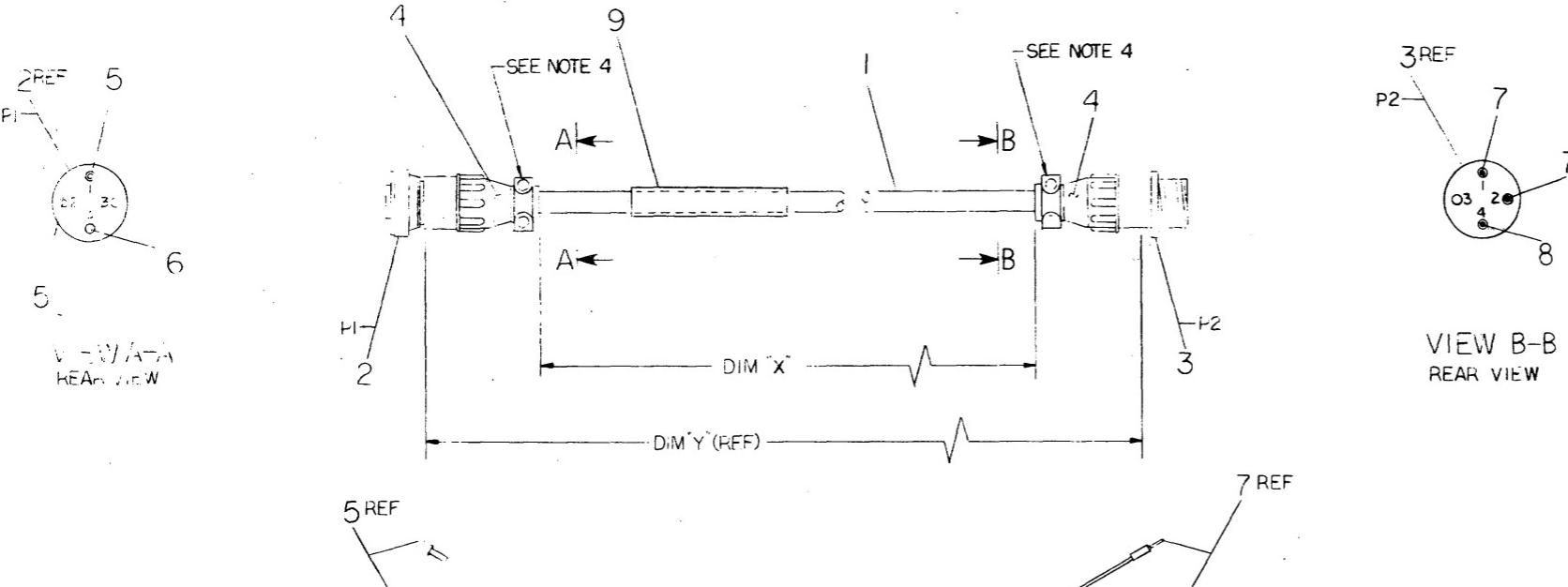
ITEM NO	DESCRIPTION		FROM		TO		SIGNAL NAME
	AWG	COLOR	CONN	WITH	CONN	WITH	
1	20	BLU	P1-1	5	P2-1	7	+DIFF
	20	CLEAR	P1-2	5	P2-2	7	-DIFF
		SHIELD	P1 4	6	P2 4	8	SHIELD

LEGEND

NUMBER	DIM "X"	VARIATION	DIM "Y" (PRECUT) REF	METRIC LENGTH (REF)
BC55N-98	98 FT	$\pm 2\text{ FT}$	98 FT 6 IN	30 METERS
BC55N-50	50FT	$\pm 2\%$	50FT 6IN $\pm 2\%$	15 METERS
BC55N-A0	100 FT	$\pm 2\%$	100FT 6IN $\pm 2\%$	30 METERS
BC55N-A5	150 FT	$\pm 2\%$	150FT 6IN $\pm 2\%$	46 METERS
BC55N-B0	200FT	$\pm 2\%$	200FT 6IN $\pm 2\%$	61 METERS
BC55N-C0	300FT	$\pm 2\%$	300FT 6IN $\pm 2\%$	91 METERS
BC55N-E0	500FT	$\pm 2\%$	500FT 6IN $\pm 2\%$	152 METERS
BC55N-L0	1000FT	$\pm 2\%$	1000FT 6IN $\pm 2\%$	305 METERS
BC55N-Y0	2000FT	$\pm 2\%$	2000FT 6IN $\pm 2\%$	610 METERS
BC55N-YA	3500 FT	$\pm 2\%$	3500 FT 6IN $\pm 2\%$	1067 METERS

NOTES:

- FOR CRIMPING TOOL USE AMP #90277-01 ON ITEMS 5 & 7 AND AMP #90310-01 ON ITEMS 6&8.
- FOR EXTRACTION TOOL USE AMP # 305183.
- FOR INSERTION TOOL USE AMP # 91002 - 1.
- USE "CLAMPING INSERT #3" SUPPLIED WITH 'CLAMP ASSY' (ITEM 4).

VIEW B-B
REAR VIEWCAUTION: OFF SHEET PARTS LIST EXISTS.
REFER TO K-PL-BC55N-0-0.

A/R	TUBING THIN WALL .106 ID(NAT)	9107302-11	10
1	LABEL CABLE ID	3616073-00	9
1	CONTACT, MALE (14 AWG)	1212001-06	8
2	CONTACT, MALE (24-20 AWG)	1212001-03	7
1	CONTACT, FEMALE (14 AWG)	1212000-04	6
2	CONTACT, FEMALE (24-20 AWG)	1212000-02	5
2	CLAMP ASSY, CABLE	121430-00	4
1	CONN, RECEPTACLE(4 PIN CIRCULAR)	1212527-00	3
1	CONN, PLUG 4 PIN CIRCU. AN	1212526-00	2
A/R	CABLE TWIN AX 2 COND 20 AWG	1700164-00	

DESCRIPTION	DWG/PART NO.	ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES $\pm 0^\circ 30'$	CLASS OF ACCURACY (CHECK ONE)	NOMINAL DIMENSION RANGE INCHES	
SURFACE QUALITY IN	OVER TO 0.2	OVER TO 0.12	
MEDIUM	$\pm .008$	$\pm .012$	
PREFERRED	$\pm .012$	$\pm .025$	
MICROINCHES	$\pm .012$	$\pm .024$	
QUANTITY & VARIATION			
DRN. 14 APR 79	FIRST USED ON DMP11-AD digital		
CHK'D	TITLE		
ENG.	CABLE,		
PROJ. ENG.	INTEGRAL MODEM		
DO NOT SCALE DWG	NEXT HIGHER ASSY.		
SEE PARTS LIST			
FINISH	SIZE CODE NUMBER REV.		
	D UJA	BC55N-0-0	C
SHEET	OF	DIST.	

REVISION	CHANGE NO.	REV.
CHK	BC55N-0-0-001	L
ENG	E AL151	
PROJ	BC55N-11X-202	
FIN	P AL251	

**DIGITAL EQUIPMENT CORPORATION
PARTS LIST**

MADE BY D. Jardine	CHECKED R. Harrington	SECTION 1
DATE 9 JAN 80	DATE 17 MAR 80	
ENG Henry Jardine	PROD K. Sorkin	ISSUED SECTION 1
DATE 17 MAR 80	DATE 17 MAR 80	

QUANTITY / VARIATION

NOTES:

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION						REF DESIGNATION
				DMR11-AA	DMR11-AB	DMR11-AC	DMR11-AD	DMR11-AE	
1	B-TC-DMR11-Ø-1	MP03911	CUSTOMER PRINT SET	1	1	1	1	1	
2	EK-DMR11-UG-001		DMR11 USERS GUIDE	1	1	1	1	1	
3	ZJ346-RB		DMR11 SOFTWARE LIBKIT	1	1	1	1	1	

E.C.O. NO.

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT © 1980 DIGITAL EQUIPMENT CORPORATION"

TITLE
SHIPPING LIST, DMR11

ASSY NO.
D-UA-DMR11-Ø-Ø

SIZE
B

CODE
PL

NUMBER
DMR11-Ø

REV.
*

SHEET 1 OF 1

INSERTION PARTS LIST DATA BASE REV

PARTS LIST

SHEET A1 OF A1

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION	
				10	
1 1	D-IA-BC08S-0-0	BC08S-10	CABLE 10' DC76	1	
2 2	D-IA-7421940-0-0	7421940-00	PANEL BC55	1	
3 3	D-UA-H8C55-0-0	H8C55-00	JUMPER BOARD + RS423/RS232C CONN	1	
4 4		9006453-00	SCREW, SEMS, SLOTTED HEX HEAD 6-	6	
5 5	C-MD-7421941-0-0	7421941-00	STRAIN RELIEF BC55	1	
6 6		3616073-00	LABEL,CABLE IDENTIFICATION	1	
7 7		9007834-00	TAPE, DOUBLE COATED, 1/2" WIDE, A/R		
8 8		9010174-00	SCREW, SEMS, PHILLIPS PAN HD 6-3	2	
9 9		9008992-00	WASHER, FLAT, WHITE NYLON, 375 X	1	

REVISION HISTORY		BASIC PART NO:	BC55C	DRN:	G HOVEY	DATE:	21-SEP-79	D	I	G	I	T	A	L
ENG:	ECO NUMBER	REV	SECTION A OF A											
PA	INITIAL	*	SECTION, VARIATION INDEX		CHK'D:	J FALKOWSKI	DATE:	21-SEP-79	TITLE		PARTS LIST			
BC55C-MK001	A		CAJ 10						PANEL ASSY,BC55C					
			[B]		DES.ENG.:	P ALOISI	DATE:	21-SEP-79	DOCUMENT NUMBER					
			[C]		RESP.ENG.:	P ALOISI	DATE:	21-SEP-79	SIZE	CODE	NUMBER		REV	
			[D]						K	PL	BC55C-0-0		A	
			[E]		MFG.ENG.:	G ARMBRUSTER	DATE:	21-SEP-79						
			[F]		ASSEMBLY NUMBER:	D-UA-BC55C-0-0	TOP DOCUMENT NUMBER:	B-DD-BC55C-0-0	FILE NAME:	EDIT #			3	

THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT (C) 1980. DIGITAL EQUIPMENT CORPORATION

m/c

THIS DRAWING AND SPECIFICATIONS HERINB ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE COPIED OR USED OUTSIDE OF THE COMPANY OR IN PART AS THE BASIS FOR DESIGN OF EQUIPMENT OR PARTS WITHOUT WRITTEN PERMISSION
Copyright © DEC DIGITAL EQUIPMENT CORPORATION

NOTES

1. UNLESS OTHERWISE SPECIFIED ALL CAPACITORS 2200PF 100VDC 20%
2. W7 NEVER NORMALLY INSTALLED
3. ASSEMBLED FOR RS232C IN MANUFACTURING

J2 PIN		JUMPER		RS232C		BELT 03 J		BELT 2088		DATEL 200		DATEL 2400		CCITT V23		CCITT V26B		EIA RS232C		EIA RS419		CCITT V24	
1	W1	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
13	W2	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
12	W3	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
19	W4	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
16	W5	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
14	W6	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
NOTE 2		W7																					
25	W8																						
25	W9																						
24	W10	IN	IN	N	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
25	W11																						
23	W12																						
21	W13																						
11	W14																						
24	W15																						
21	W16	IN	IN	—	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
18	W17																						
17	W18	IN	IN	N	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
4	W19	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
15	W20	IN	IN	N	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
23	W21	IN	IN	—	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	
2																							
3																							
5																							
7																							
8																							
20																							
22																							

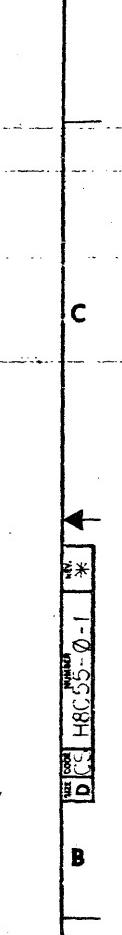
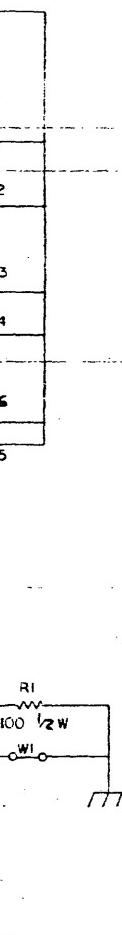
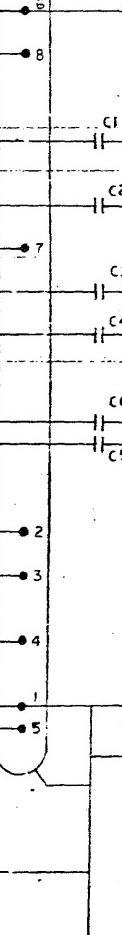
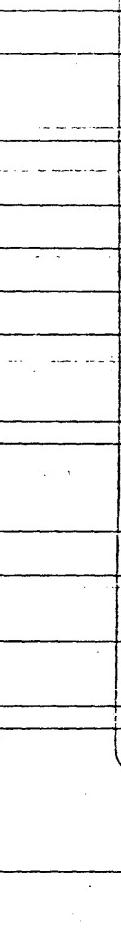
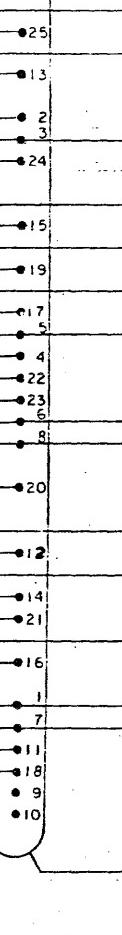
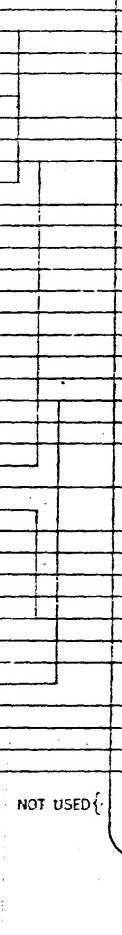
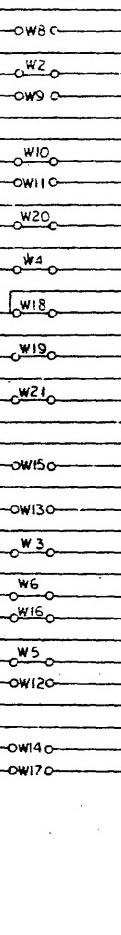
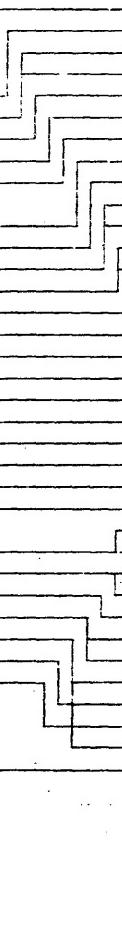
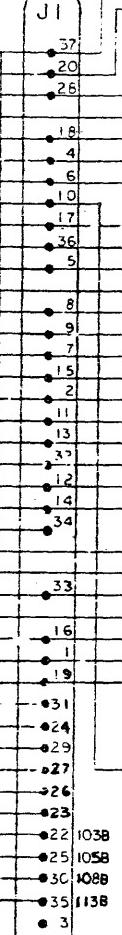
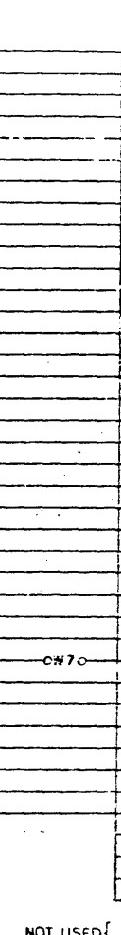
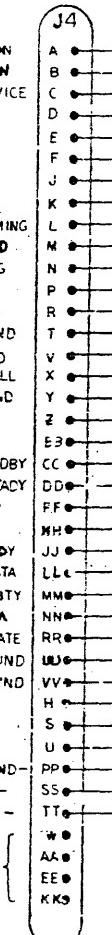
CCITT RS449
 102A SEND COMMON
 102B REC COMMON
 135 TERM IN SERVICE
 121 SEC CTS
 142 TEST MODE
 103 SEND DATA
 104 REC DATA
 141 LOCAL LOOP
 113 TERMINAL TIMING
 117 STANDBY IND
 114 SEND TIMING
 120 SEC RTS
 115 REC TIMING
 106 CLEAR TO SEND
 105 REC TO SEND
 125 INCOMING CALL
 102 SIG RATE IND
 107 DATA MODE
 109 REC READY
 116 SELECT STANDBY
 108 TERMINAL READY
 140 REMOTE LOOP
 136 NEW SIGNAL
 122 SEC REC READY
 118 SEC SEND DATA
 110 SIGNAL QUALITY
 119 SEC REC DATA
 111 SEL SIGNAL RATE
 101 SHIELD GROUND
 102 SIGNAL GROUND
 109B REC READY -
 104B REC DATA -
 107B DATA MODE -
 106B CLEAR TO SEND -
 115B REC TIMING -
 114B SEND TIMING -
 NOT USED {
 AA •
 EE •
 KK •
 NOT USED {
 103B
 105B
 108B
 113B
 • 3
 • 21

ISO4902
 RS449

R5232C

ISO2110.2
 RS232C

ISO4902
 RS449

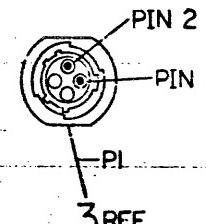
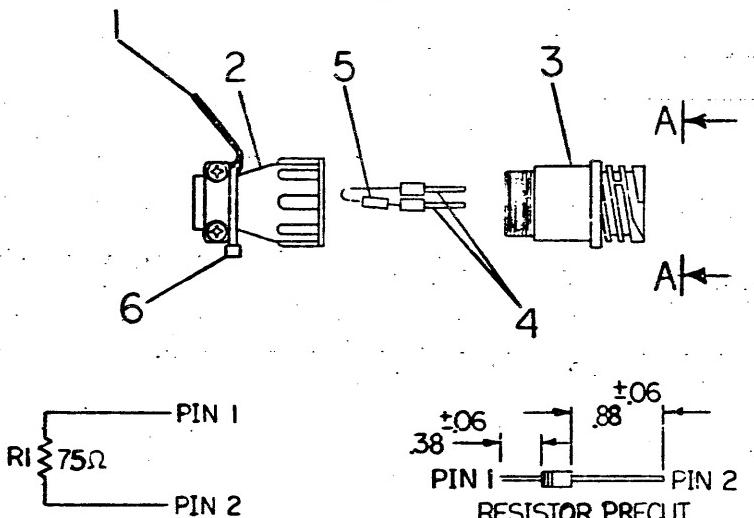


THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION. THEY SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT 1979 DIGITAL EQUIPMENT CORPORATION

ITEM NO	DESCRIPTION		FROM		TO	
	AWG	REF-DES	CONN	WITH	CONN	WITH
5	22	PI	PI-1	4	PI-2	3,4

NOTES:

1. USE CLAMPING INSERT *1 SUPPLIED WITH CLAMP ASSY (ITEM 2).
2. FOR CRIMPING TOOL USE AMP*90277-01
- 3 FOR EXTRACTION TOOL USE AMP*305183
4. FOR INSERTION TOOL USE AMP*91002-1
5. FOLD LABEL (ITEM 1) IN HALF. CUT OFF UNUSED AREA OF LABEL AND WRAP AROUND CABLE TIE (ITEM 6) LENGTHWISE. SECURE CABLE TIE AT NECK OF SHELL.



VIEW A-A
FRONT VIEW

1	TIE, CABLE, SSTI M	9007031-00	6
1	RES, 75 1/4W 5%	1302379-00	5
2	CONN, PIN 28-26AWG	1212001-02	4
1	CONN, RCPT 4 PIN CIRC FCR 1212526-00	1212527-00	3
1	CONN, RCPT CLAMP CABLE CIRC SHELL SZ-11	1211430-00	2
1	LABEL, CABLE IDENTIFICATION	3616073-00	1

DESCRIPTION		DRG./PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES ±0.30°	CLASS OF SURFACE QUALITY IN	NOMINAL DIMENSION RANGE INCHES	
	(CHECK ONE)	OVER OVER OVER OVER OVER	UNDER UNDER UNDER UNDER UNDER
		.01 .02 .03 .04 .05	.005 .008 .012 .016 .024
MICROINCHES	PASCHERED	±.012 ±.016 ±.025 ±.04	±.005 ±.008 ±.012 ±.016
THIRD ANGLE PROJECTION		DRAWN BY: J. Messier 12/13/79	
CHECKED: J. Messier 12/13/79		FIRST USED ON: DMPI I-AC digital	
ENG. R. K. DeLoach 12/13/79		TITLE: TERM, INTEGRAL	
PROJ. ENG. J. Messier 12/13/79		MODEM MALE	
PROD. C. P. McElroy 12/13/79		NEXT HIGHER ASY:	
DO NOT SCALE DRG		B-00-H3257-0	
SEE PARTS LIST		SIZE CODE: B	NUMBER: UAH3257-0-0
FINISH: + -		SHEET: 1	REV.: *
SCALE: 1/1		DIST.:	
FINISH: + -		OF:	

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.
COPYRIGHT 1979 DIGITAL EQUIPMENT CORPORATION.

4

3

2

1

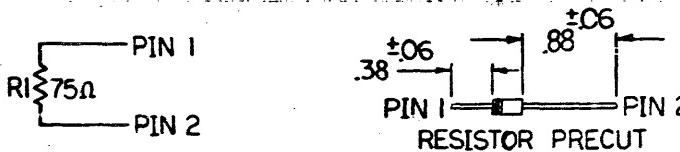
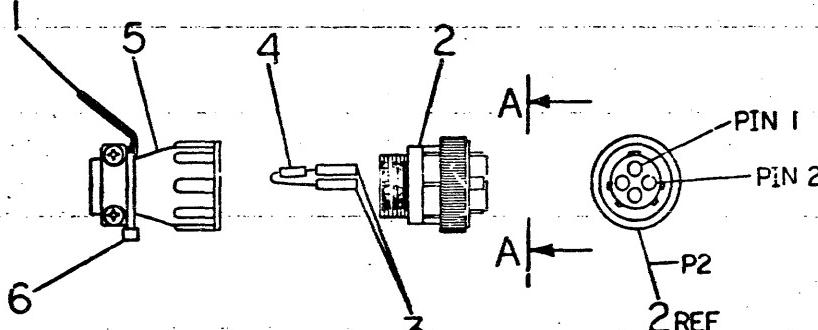
REV A

SIZE B

CODE H3258-0-0

WIRE TABLE

ITEM NO	DESCRIPTION	FROM		TO	
		AWG	REF-DES	CONN	WITH
4	22	RI	P2-1	3	P2-2, 2,3



NOTES:

1. USE CLAMPING INSERT #1 SUPPLIED WITH CLAMP ASSY (ITEM #5).
2. FOR CRIMPING TOOL USE AMP #90277-01.
3. FOR EXTRACTION TOOL USE AMP #305183.
4. FOR INSERTION TOOL USE AMP #91002-1.
5. FOLD LABEL (ITEM 1) IN HALF. CUT OFF UNUSED AREA OF LABEL AND WRAP AROUND CABLE TIE (ITEM 6) LENGTHWISE. SECURE CABLE TIE AT NECK OF SHELL.

CAUTION: OFF SHEET
PARTS LIST SEE K-PL-H3258-0-0

ITEM NO.	DESCRIPTION	DWG/PART NO.
1	TIE, CABLE, SSTI M	9007031-00
1	CONN, RCPT CLAMP, CABLE CIRC SHELL SZ-11	1211430-00
1	RES. 75 1/4W 5%	1362379-00
2	CONN, SKT 28-26 AWG CRIMP	1212000-03
1	CONN, PLUG 4 PIN CIRC FOB 1212527-00	1212526-00
1	LABEL, CABLE IDENTIFICATION	3616073-00

QUANTITY & VARIATION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES									
ANGLES	CLASS OF SURFACE	NOMINAL DIMENSION		RANGE INCHES		NOMINAL		RANGE INCHES		NOMINAL	
2.00 30°	ACCURACY (CHECK ONE)	.020	.015	.015	.010	.015	.010	.015	.010	.015	.010
	MEDIUM	.020	± .008	± .012	± .004	± .024	± .004	± .024	± .004	± .024	± .004
	MICROINCHES PRESCRIBED	± .012	± .016	± .025	± .004	± .032	± .004	± .032	± .004	± .032	± .004

THIRD ANGLE PROJECTION		1st USED ON	
		DMPII-AC digital	
DRAWN BY: D. Harrington CHK'D BY: R. Harrington ENG'D BY: D. Harrington REV'D BY: D. Harrington		TITLE	
REMOVED BY: D. Harrington DATE: 1/1/81		PROJ. ENG'D BY: D. Harrington PROD. D. Harrington NEXT HIGHER ASSY: B-DD-H3258-0	
DO NOT SCALE DWG		MATERIAL SEE PARTS LIST	
FINISH + +		SIZE CODE NUMBER REV.	
SCALE 1/1		B UAH3258-0-0 A	
SHEET 1 OF 1 DIST.			

REVISIONS	CHANGE NO.	REV.
CHK	H3258-M1001	A
A. Harrington	1/30/02 81	
R. Harrington	1/30/02 81	
	3A268	